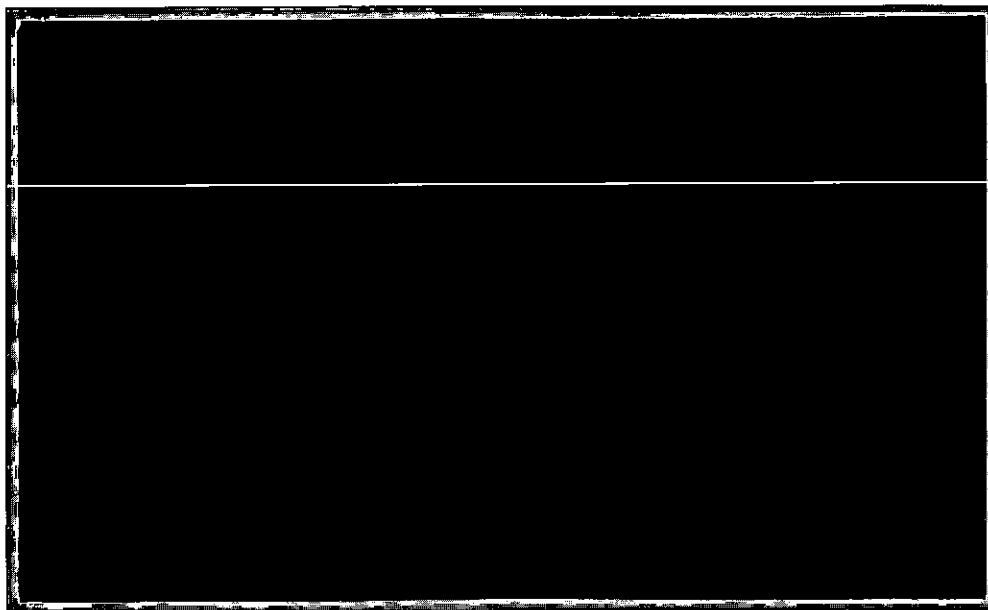


T04052f1/2



Institute of  
Freshwater  
Ecology

SEPT  
1991





INSTITUTE OF FRESHWATER ECOLOGY

Eastern Rivers Laboratory  
Institute of Freshwater Ecology  
Monks Wood Experimental Station  
c/o Institute of Terrestrial Ecology  
Abbots Ripton, Huntingdon,  
Cambridgeshire, PE17 2LS

( Helix Cotton Study.  
Zooplankton counts.

Final Report: May - Sept. 1991 (*Part 1*)  
D.V. LEACH  
( Part 1 )

Project leader:	D.V. LEACH
Report date:	May - Sept. 1991
Report to:	ICI Agrochemicals
Study No:	90JH006
IFE report ref:	ERG/T04052f1/2
TFS Project No:	T04052f1

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The Institute of Freshwater Ecology is part of the Terrestrial and Freshwater Sciences Directorate of the Natural Environment Research Council.



Contract from ICI  
Analysis of zooplankton samples

Method

- 1). The sample, as supplied, was first washed through a 63um mesh sieve. The material retained in the sieve was transferred to a 10ml measuring cylinder and the volume made up to 10ml with water. The contents of the cylinder were then well mixed, by inverting the cylinder several times and while still well mixed, 1ml was removed, using an automatic pipette, and transferred to a Sedgwick-Rafter counting chamber.
- 2). A preliminary scan of the counting chamber was then made to assess the density of organisms present. When the density was too great to permit accurate counting and identification further dilution was carried out as follows:- the contents of the counting chamber were first returned to the 10ml cylinder and the whole sample was then transferred to an appropriate measuring cylinder or beaker and further diluted with water, to 20ml, 25ml, 50ml or 100ml, as necessary.
- 3). Having carried out the appropriate dilution, 1ml was transferred to the counting chamber and all animals were counted and identified as far as possible under a compound microscope. In every case the whole volume of the counting chamber was examined to avoid errors that were likely to arise through clumping of organisms in the chamber.
- 4). In some samples the largest organisms were too large to be accommodated within the depth of the counting chamber. In this case it was necessary to separate the sample into two size fractions, 63um-250um and >250um. Following this the fine fraction was treated as above. The coarse fraction was made up to 100ml and 5ml was taken for identification and counting under a low power microscope.
- 5). Counts were recorded using banks of labelled mechanical counters and results were transferred immediately onto standard data sheets.
- 6). After enumeration and identification all material, including the contents of the counting chamber was washed into a 63um sieve and returned to the original container by washing using 95% industrial methylated spirit.

SAMPLE LOG 05-Feb-91 (All shipments to Merrindale unless otherwise stated).

Sampling date	Sample purpose	Sample type	Study site	Sampling Station 1st code 2nd code	Sample notes	Backup Y/N	Date Shipped
BIOLOGICAL - ZOOPLANKTON (Date 1 - Pre-treatment)							
24-Jan-91	BIO	2P	MSO	Resr 1A - 2		N	5/2/91
24-Jan-91	BIO	2P	MSO	Resr 3 - 4		N	
24-Jan-91	BIO	2P	MSO	Resr 5 - 1		N	
24-Jan-91	BIO	2P	MSO	Resr 6 - 4		N	
25-Jan-91	BIO	2P	MSO	Pool 1 - 3		N	
24-Jan-91	BIO	2P	MSO	Pool 5 - 1		N	
24-Jan-91	BIO	2P	MSO	Pool 6 - 3		N	
25-Jan-91	BIO	2P	MSO	Pool 7 - 1		N	
25-Jan-91	BIO	2P	MSO	Pool 9 - 3		N	
24-Jan-91	BIO	2P	MSO	Pool 10 - 3		N	
24-Jan-91	BIO	2P	MSO	Pool 11 - 2		N	
24-Jan-91	BIO	2P	MSO	Pool 13 - 3		N	
25-Jan-91	BIO	2P	MSO	Pool 16 - 2		N	
25-Jan-91	BIO	2P	MSO	Pool 17 - 3		N	
24-Jan-91	BIO	2P	MSO	Pool 18 - 3		N	
24-Jan-91	BIO	2P	MSO	Pool 23 - 3		N	
25-Jan-91	BIO	2P	MSO	TWR 6 - 4		N	
29-Jan-91	BIO	2P	TBx	Resr 1 - 3		N	
29-Jan-91	BIO	2P	TBx	Resr 2 - 1		N	
29-Jan-91	BIO	2P	TBx	Resr 3 - 2		N	
29-Jan-91	BIO	2P	TBx	Resr 4 - 2		N	
29-Jan-91	BIO	2P	TBx	Pool 1 - 2		N	
29-Jan-91	BIO	2P	TBx	Pool 2 - 3		N	
29-Jan-91	BIO	2P	TBx	Pool 5 - 4		N	
29-Jan-91	BIO	2P	TBx	Pool 6 - 4		N	
29-Jan-91	BIO	2P	TBx	Pool 8 - 2		N	
29-Jan-91	BIO	2P	TBx	Pool 9 - 1		N	
29-Jan-91	BIO	2P	TBx	Pool 10 - 1		N	
29-Jan-91	BIO	2P	TBx	Pool 12 - 3		N	
29-Jan-91	BIO	2P	TBx	Pool 13 - 4		N	
29-Jan-91	BIO	2P	TBx	TWR 4 - 4		N	
29-Jan-91	BIO	2P	TBx	TWR 5 - 1		N	
29-Jan-91	BIO	2P	TBx	MF 1 - 2		N	
23-Jan-91	BIO	2P	MSt	Resr 1 - 1		N	
23-Jan-91	BIO	2P	MSt	Resr 2 - 4		N	
23-Jan-91	BIO	2P	MSt	Resr 3 - 4		N	
23-Jan-91	BIO	2P	MSt	Resr 4 - 1		N	
23-Jan-91	BIO	2P	MSt	Pool 1 - 2		N	
23-Jan-91	BIO	2P	MSt	Pool 3 - 3		N	
23-Jan-91	BIO	2P	MSt	Pool 4 - 2		N	
23-Jan-91	BIO	2P	MSt	Pool 5 - 3		N	
23-Jan-91	BIO	2P	MSt	Pool 10 - 3		N	
23-Jan-91	BIO	2P	MSt	Pool 12 - 4		N	
23-Jan-91	BIO	2P	MSt	Pool 15 - 3		N	
23-Jan-91	BIO	2P	MSt	Pool 17 - 2		N	
23-Jan-91	BIO	2P	MSt	Pool 23 - 4		N	
30-Jan-91	BIO	2P	MTw	Resr 1 - 4		N	
30-Jan-91	BIO	2P	MTw	Resr 2 - 2		N	
30-Jan-91	BIO	2P	MTw	Resr 3 - 1		N	
30-Jan-91	BIO	2P	MTw	Resr 4 - 2		N	
30-Jan-91	BIO	2P	MTw	Pool 25 - 3		N	
30-Jan-91	BIO	2P	MTw	Pool 31 - 1		N	
30-Jan-91	BIO	2P	MTw	Pool 32 - 2		N	
30-Jan-91	BIO	2P	MTw	Pool 34 - 4		N	
30-Jan-91	BIO	2P	MTw	Pool 35 - 1		N	
30-Jan-91	BIO	2P	MTw	Pool 36 - 3		N	
30-Jan-91	BIO	2P	MTw	Pool 43 - 2		N	
25-Jan-91	BIO	2P	-	MCK A - 2		N	
25-Jan-91	BIO	2P	-	MCK 1 - 4		N	
25-Jan-91	BIO	2P	-	CCK A - 1		N	
25-Jan-91	BIO	2P	-	CCK 1 - 4		N	
25-Jan-91	BIO	2P	-	CCK 2 - 1		N	
25-Jan-91	BIO	2P	-	CCK 3 - 4		N	
25-Jan-91	BIO	2P	-	CCK 4 - 4		N	
28-Jan-91	BIO	2P	-	CCK 5 - 2		N	
28-Jan-91	BIO	2P	-	CCK B - 3		N	
28-Jan-91	BIO	2P	-	CCK C - 2		N	
28-Jan-91	BIO	2P	-	CCK 6 - 4		N	
28-Jan-91	BIO	2P	-	CCK 7 - 1		N	
28-Jan-91	BIO	2P	-	CCK D - 3		N	

# ROTIFERA

Date	1	MSo
Asplanchna		*
Brachionus		*
Cephalodella		*
Collotheca		*
Colurella		
Conochiloides		
Conochilus		*
Euchlanis		
Filinia		*
Harringia		
Hexarthra		*
Keratella		*
Lecane		*
Platylas		
Polyarthra		*
Rotaria		*
Squatinella		
Synchaeta		
Trichocerca		*

\* = present





ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: MSO TBx MSt MTw Sampling station: *Res 1A*

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	73	1825	COPEPODA		
Brachionus	34	850	Nauplii	27	675
Cephalodella			Ad.lg ant.	6	150
Collotheca	1	25	Ad.st ant.		
Colurella			CLADOCERA		
Conochilus	1	25	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	76	1900	Daphnia lg.		
Hexarthra	308	7700	Daphnia sm.		
Keratella			Diaphanosoma	12	300
Lecane			Macrothrix		
Platyias			Moina	27	575
Polyarthra	50	1250	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
Sub-total:	543	13575	Sub-total:	68	1700
			Total:	611	15275

Notes.

*Filinia Hexarthra - polyarthra often clumped together*

ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: *(MSO)* TBx MSt MTw Sampling station: *Asv 3*

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	3	75	Nauplii	37	975
Cephalodella			Ad.lg ant.	30	750
Collotheca	35	875	Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	35	875	Daphnia lg.		
Hexarthra	238	5950	Daphnia sm.		
Keratella	6	150	Diaphanosoma	3	75
Lecane			Macrothrix		
Platyias			Moina	5	125
Polyarthra	28	700	Others		
Rotaria	1	25	CHIRONOMIDAE		
Synchaeta			NEMATODES	1	25
Trichocerca			ALGAE	<i>Many 100. small filamentous</i>	
Others					
Sub-total:	346	8650	Sub-total:	78	1950
Notes.			Total:	424	10600

ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: *(MSO)* TBx MSt MTw Sampling station: *Ros 5*

Date sampled: 2\* / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 mlVolume of sub-sample: 1 ml. % of sample *4%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	25	COPEPODA		
Brachionus	3	75	Nauplii	45	1125
Cephalodella			Ad.lg ant.	26	650
Collotheca	16	400	Ad.st ant.	3	75
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina	1	25
Euchlanis			Ceriodaphnia		
Filinia	54	1350	Daphnia lg.		
Hexarthra	47	1175	Daphnia sm.		
Keratella	1	25	Diaphanosoma	4	100
Lecane			Macrothrix		
Platyias			Moina	8	200
Polyarthra			Others <small>small</small>	2	50
Rotaria	1	25	CHIRONOMIDAE	1	25
Synchaeta			NEMATODES		
Trichocerca			ALGAE <i>Many 100' small filaments</i>		
Others					
Sub-total:	123	3075	Sub-total:	90	2250
Notes.			Total:	213	5325

ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: *(MSO)* TBx MSt MTw Sampling station: *Pos 6*

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	25	COPEPODA		
Brachionus	2	50	Nauplii	43	1575
Cephalodella			Ad.lg ant.	16	400
Collotheca	27	675	Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	46	1150	Daphnia lg.		
Hexarthra	43	1075	Daphnia sm.		
Keratella	5	125	Diaphanosoma	2	50
Lecane			Macrothrix		
Platyias			Moina	7	225
Polyarthra	4	100	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE <i>Many</i>	<i>100% small filament</i>	
Others					
Sub-total:	128	3200	Sub-total:	90	2250
Notes.			Total:	218	5450

ZOOPLANKTON COUNTS. Date counted: 11 / JULY / 91 Counted by: DL

Site: (MSO) TBx MSt MTw Sampling station: Pool 1

Date sampled: 25 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	50	COPEPODA		
Brachionus	7	175	Nauplii	76	1900
Cephalodella	2	50	Calanoid	25	625
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	? 2	50	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	70	1750	Daphnia lg.		
Hexarthra	38	775	Daphnia sm.		
Keratella	7	175	Diaphanosoma	4	100
Lecane	1	25	Macrothrix		
Platyias			Moina	1	25
Polyarthra	1	25	Others		
Rotaria			CHIRONOMIDAE	1	25
Synchaeta			ALGAE	many small	filament
Trichocerca			Nematoide	1	25
Others					
Sub-total:	130	3250	Sub-total:	108	2700
Notes.			Total:	238	5950

ZOOPLANKTON COUNTS. Date counted: 8/ JULY / 91 Counted by: DM

Site: MSo TBx MSt MTw Sampling station: Pool 5

Date sampled: 24/ Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	75	COPEPODA		
Brachionus	6	150	Nauplii	72	1800
Cephalodella			Calanoid	45	1125
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	18	450	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	60	1500	Daphnia lg.		
Hexarthra	149	3725	Daphnia sm.		
Keratella	9	225	Diaphanosoma	6	150
Lecane	2	50	Macrothrix		
Platytas			Moina	16	400
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	lots of small filament	
Trichocerca					
Others					
Sub-total:	265	6625	Sub-total:	139	3475
Notes.			Total:	404	10100

ZOOPLANKTON COUNTS. Date counted: 8 / JULY / 91 Counted by: *ML*

Site: (MSO) TBx MSt MTw Sampling station: Pool 6

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	150	COPEPODA		
Brachionus	3	75	Nauplii	47	1175
Cephalodella			Calanoid	27	675
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	5	125	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra	99	2475	Daphnia sm.		
Keratella	8	200	Diaphanosoma	8	200
Lecane	1	25	Macrothrix		
Platyias			Moina	14	350
Polyarthra	3	75	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	lots of short filaments	
Trichocerca					
Others					
Sub-total:	125	3125	Sub-total:	96	2400
Notes.			Total:	221	5525

ZOOPLANKTON COUNTS. Date counted: 8 / JULY / 91 Counted by: DV

Site: (MSO) TBx MSt MTw Sampling station: Pool 7

Date sampled: 25 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	50	COPEPODA		
Brachionus	6	150	Nauplii	86	2150
Cephalodella			Calanoid	58	1450
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	3	75	Alona		
Epiphanes			Bosmina	1	25
Euchlanis			Ceriodaphnia		
Filinia	86	2150	Daphnia lg.		
Hexarthra	36	900	Daphnia sm.		
Keratella	11	275	Diaphanosoma	10	250
Lecane			Macrothrix		
Platyias			Moina	5	125
Polyarthra			Others *	1	25
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	144	3600	Sub-total:	161	4025
Notes.			Total:	305	7625

\* May be alona



ZOOPLANKTON COUNTS. Date counted: 8 / JULY / 91 Counted by: DU

Site: (MSO) TBx MSt MTw Sampling station: Pool 9

Date sampled: 25 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	8	800	Nauplii	57	5700
Cephalodella			Calanoid	21	2100
Collotheca			Cyclopoid	3	300
Colurella			CLADOCERA		
Conochilus	4	400	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	40	4000	Daphnia lg.		
Hexarthra	42	4200	Daphnia sm.		
Keratella	8	800	Diaphanosoma	4	400
Lecane			Macrothrix		
Platytias			Moina	10	1000
Polyarthra	1	100	Others		
Rotaria			CHIRONOMIDAE	1	100
Synchaeta			ALGAE	Lots of small Filaments	
Trichocerca					
Others	2	200			
Sub-total:	105	10,500	Sub-total:	96	9600
Notes.			Total:	201	20,100



180um



260um

ZOOPLANKTON COUNTS. Date counted: 8 / JULY / 91 Counted by: *DU*

Site: *(MSO) TBx MSt MTw* Sampling station: *Pool 10*

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 *(50)* 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	100	COPEPODA		
Brachionus	7	350	Nauplii	50	2500
Cephalodella			Calanoid	19	950
Collotheca			Cyclopoid	3	150
Colurella			CLADOCERA		
Conochilus	21	1050	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	68	3400	Daphnia lg.		
Hexarthra	79	3950	Daphnia sm.		
Keratella	8	400	Diaphanosoma	6	300
Lecane	1	50	Macrothrix	1	50
Platyias			Moina	11	550
Polyarthra	3	150	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	<i>Lots of small Filaments</i>	
Trichocerca					
Others	3	150			
Sub-total:	192	9600	Sub-total:	90	4500
Notes.			Total:	282	14100



*200-250um*

ZOOPLANKTON COUNTS. Date counted: 8 / JULY / 91 Counted by: DU

Site: (MSO) TBx MSt MTw Sampling station: Pool 11

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	75	COPEPODA		
Brachionus	10	250	Nauplii	52	1300
Cephalodella			Calanoid	48	1200
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	6	150	Alona		
Epiphanes			Bosmina	2	50
Euchlanis			Ceriodaphnia		
Filinia	57	1425	Daphnia lg.		
Hexarthra	54	1350	Daphnia sm.		
Keratella	3	75	Diaphanosoma	15	375
Lecane	1	25	Macrothrix		
Platyias			Moina	55	1375
Polyarthra	3	75	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	✓	
Trichocerca					
Others					
Sub-total:	137	3425	Sub-total:	172	4300
Notes.			Total:	309	7725

ZOOPLANKTON COUNTS. Date counted: 7 / JULY / 91 Counted by: DU

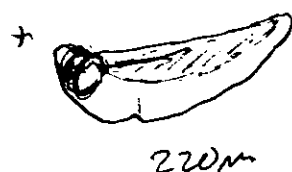
Site: (MSO) TBx MSt MTw Sampling station: Pool 17

Date sampled: 24/ Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample 1

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	400	COPEPODA		
Brachionus	225	22500	Nauplii	5	500
Cephalodella ?	4	400	Calanoid	1	100
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	88	8800	Daphnia lg.		
Hexarthra	108	10800	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	2	200
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others *	4	400			
Sub-total:	433	43300	Sub-total:	8	800
Notes.			Total:	441	44100



ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: DU

Site: (MSO) TBx MSt MTw Sampling station: Pool 16

Date sampled: 25 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	5	250	COPEPODA		
Brachionus	2	100	Nauplii	66	3300
Cephalodella			Calanoid	22	1100
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	13	650	Alona		
Epiphanes			Bosmina	1	50
Euchlanis			Ceriodaphnia		
Filinia	80	4000	Daphnia lg.		
Hexarthra	32	1600	Daphnia sm.		
Keratella	10	500	Diaphanosoma	2	100
Lecane	1	50	Macrothrix		
Platyias			Moina	7	350
Polyarthra?	2	100	Others	1	50
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	Many 1000 small Filament	
Trichocerca					
Others					
Sub-total:	145	7250	Sub-total:	99	4950
Notes.			Total:	244	12200

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: DV

Site: (MSO) TBx MSt MTw Sampling station: Pool 17

Date sampled: 25 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	200	COPEPODA		
Brachionus	3	150	Nauplii	45	2250
Cephalodella			Calanoid	31	1550
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	15	750	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	36	1800	Daphnia lg.		
Hexarthra	56	2800	Daphnia sm.		
Keratella	7	350	Diaphanosoma	1	50
Lecane	3	150	Macrothrix		
Platyias			Moina	8	400
Polyarthra	5	250	Others small	1	50
Rotaria			CHIRONOMIDAE	1	50
Synchaeta			ALGAE	Many small elements	
Trichocerca			Normatoda	2	100
Others			Vorticellids	small colony	
Sub-total:	129	6450	Sub-total:	89	4450
Notes.			Total:	218	10900

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: D M

Site: (MSO) TBx MSt MTw Sampling station: Pool 18

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	5	250	COPEPODA		
Brachionus	103	5150	Nauplii	23	1150
Cephalodella			Calanoid	49	2450
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	11	550	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra	19	950	Daphnia sm.		
Keratella	5	250	Diaphanosoma	5	250
Lecane			Macrothrix		
Platyias			Moina	11	550
Polyarthra	1	50	Others	1	50
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca	3	150			
Others					
Sub-total:	147	7350	Sub-total:	89	4450
Notes.			Total:	236	11800

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: DM

Site: (MSO) TBx MSt MTw Sampling station: Pool 27

Date sampled: 24 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	200	COPEPODA		
Brachionus	41	2050	Nauplii	25	1250
Cephalodella			Calanoid	15	750
Collotheca			Cyclopoid	1	50
Colurella			CLADOCERA		
Conochilus	4	200	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	86	4300	Daphnia lg.		
Hexarthra	145	7250	Daphnia sm.		
Keratella			Diaphanosoma	12	600
Lecane			Macrothrix	1	50
Platyias			Moina	86	4300
Polyarthra	4	200	Others <small>small</small>	3	150
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	284	14200	Sub-total:	143	7150
Notes.			Total:	427	21350



ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: *(MS)* TBx MSt MTw Sampling station: *TW 16*

Date sampled: 25 / Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 mlVolume of sub-sample: 1 ml. *(x 2)* % of sample 12.5%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	50	COPEPODA		
Brachionus	3	38	Nauplii	42	525
Cephalodella			Ad. lg ant.	45	563
Collotheca	14	175	Ad. st ant.	4	50
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	41	513	Daphnia lg.		
Hexarthra	20	250	Daphnia sm.		
Keratella	6	75	Diaphanosoma	8	100
Lecane			Macrothrix		
Platyias			Moina	13	163
Polyarthra	1	13	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	1	13
Trichocerca			ALGAE <i>Many 1000's small filaments</i>		
Others			<i>Oligochaetes</i>	2	2625 m
Sub-total:	89	1113	Sub-total:	115	1438
			Total:	204	2550

Notes.

*Lots of sediment particles + detritus  
made counting difficult*

*∴ 2 x 1 ml subsamples counted from 25 ml*



# ROTIFERA

Date 1 TBx

Asplanchna	
Brachionus	*
Cephalodella	*
Collotheca	*
Colurella	
Conochiloides	
Conochilus	
Euchlanis	
Filinia	*
Harringia	
Hexarthra	*
Keratella	
Lecane	*
Platyias	
Polyarthra	*
Rotaria	*
Squatinella	
Synchaeta	
Trichocerca	*

\* = present



ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: MSo (TBx) MSt MTw Sampling station: *Pesi 1*

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	19	1900	Nauplii	19	1900
Cephalodella			Ad.lg ant.	5	500
Collotheca			Ad.st ant.	3	300
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	33	3300
Hexarthra			Daphnia sm.	32	3200
Keratella			Diaphanosoma	3	300
Lecane			Macrothrix		
Platyias			Moina	10	1000
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Vdva. lg.	404	40400
Sub-total:	19	1900	Sub-total:	508	50800
Notes.			Total:	527	52700

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: JH

Site: MSo (TBx) MSt MTw

Sampling station: Rasi 2

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	15	1500	Nauplii	15	1500
Cephalodella			Ad.lg ant.	1	100
Collotheca	3	30	Ad.st ant.	5	500
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	1	100
Hexarthra			Daphnia sm.	1	100
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Vdoox lg.	91	9100
Sub-total:	18	1800	Sub-total:	114	11400
Notes.			Total:	132	13200

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DVL

Site: MSo TBx MSt MTw Sampling station: Resi 3

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	8	800	Nauplii	1	100
Cephalodella			Ad.lg ant.	119	11900
Collotheca			Ad.st ant.	4	400
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	2	200
Hexarthra			Daphnia sm.	4	400
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<u>Volvox</u>	18	1800
Sub-total:	8	800	Sub-total:	148	14800
Notes.			Total:	156	15600

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DL

Site: MSo (TBx) MSt MTw Sampling station: River 4

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	2	50	Nauplii		
Cephalodella			Ad.lg ant.	138	3450
Collotheca			Ad.st ant.	13	325
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	1	25
Filinia			<sup>conform</sup> Daphnia lg.		
Hexarthra			Daphnia sm.	1	25
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox lg	18	450
			Corixid nymph	1	25
Sub-total:	2	50	Sub-total:	172	4300
Notes.			Total:	174	4350



ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: DLK

Site: MSo (TBx) MSt MTw Sampling station: Pool 1

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	2	20	Nauplii	157	1570
Cephalodella			Calanoid	4	40
Collotheca			Cyclopoid	11	110
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	1	10	Daphnia lg.		
Hexarthra	2	20	Daphnia sm.	4	40
Keratella			Diaphanosoma		
Lecane	4	40	Macrothrix	1	10
Platyias			Moina	1	10
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Volvox	3	30
Others ?	2	20			
Sub-total:	11	110	Sub-total:	181	1810
Notes.			Total:	192	1920

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 2

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	7	70	Nauplii	36	360
Cephalodella			Calanoid	40	400
Collotheca	5	50	Cyclopoid	37	370
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.	4	400
Keratella			Diaphanosoma		
Lecane	2	20	Macrothrix?	1	10
Platyias			Moina	6	60
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	✓	
Trichocerca	1	10	Volvox	1	10
Others					
Sub-total:	15	150	Sub-total:	127	1270
			Total:	142	1420

Notes.

lots of detritus

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 5

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	61	610	Nauplii	62	620
Cephalodella			Calanoid	14	140
Collotheca	8	80	Cyclopoid	122	1220
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	4	40
Filinia			Daphnia lg.	2	20
Hexarthra			Daphnia sm.	4	40
Keratella			Diaphanosoma	3	30
Lecane	3	30	Macrothrix?	1	10
Platyias			Moina	11	110
Polyarthra			Others small	2	20
Rotaria	1	10	CHIRONOMIDAE	2	20
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	73	730	Sub-total:	227	2270
Notes.			Total:	300	3000

Lots of detritus

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: *DU*

Site: MSo *(TBx)* MSt MTw Sampling station: *Pool 6*

Date sampled: *29/* Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: *(10)* 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	<i>21</i>	<i>210</i>	Nauplii	<i>20</i>	<i>200</i>
Cephalodella	<i>?</i> <i>2</i>	<i>20</i>	Calanoid	<i>46</i>	<i>460</i>
Collotheca			Cyclopoid	<i>52</i>	<i>520</i>
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	<i>17</i>	<i>170</i>
Filinia			Daphnia lg.	<i>3</i>	<i>30</i>
Hexarthra			Daphnia sm.	<i>12</i>	<i>120</i>
Keratella			Diaphanosoma	<i>5</i>	<i>50</i>
Lecane	<i>1</i>	<i>10</i>	Macrothrix		
Platyias			Moina	<i>8</i>	<i>80</i>
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			<i>Volvox</i>	<i>1</i>	<i>10</i>
Others			<i>Larvae</i>	<i>1</i>	<i>10</i>
Sub-total:	<i>24</i>	<i>240</i>	Sub-total:	<i>165</i>	<i>1650</i>
Notes.			Total:	<i>189</i>	<i>1890</i>

*500um*

ZOOPLANKTON COUNTS. Date counted: 9 / JULY / 91 Counted by: Du

Site: MSo (TBx) MSt MTw Sampling station: Pool 8

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	11	110	Nauplii	79	790
Cephalodella	2	20	Calanoid	2	20
Collotheca	3	30	Cyclopoid	2	20
Colurella			CLADOCERA		
Conochilus			Alona	1	10
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	1	10
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.	1	10
Keratella			Diaphanosoma		
Lecane	4	40	Macrothrix		
Platyias			Moina	1	10
Polyarthra			Others		
Rotaria			CHIRONOMIDAE	2	20
Synchaeta			ALGAE		
Trichocerca					
Others *	1	10			
Sub-total:	21	210	Sub-total:	87	890
Notes.			Total:	110	1100



150m

lots of debris

ZOOPLANKTON COUNTS. Date counted: 10/ JULY / 91 Counted by: JH

Site: MSo (TBx) MSt MTw Sampling station: Pool 9

Date sampled: 29/ Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	36	360	Nauplii	349	3490
Cephalodella	? 3	30	Calanoid	17	170
Collotheca			Cyclopoid	20	20
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	4	40	Daphnia lg.	1	10
Hexarthra			Daphnia sm.	2	20
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platytias			Moina		
Polyarthra	1	10	Others *	2	20
Rotaria			CHIRONOMIDAE	2	20
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	44	440	Sub-total:	393	3930
			Total:	437	4370

Notes.

\* May be diaphanosoma and moina

ZOOPLANKTON COUNTS. Date counted: 12 / JULY / 91 Counted by: DU

Site: MSo TBx MSt MTw Sampling station: Pool 10

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	74	740	Nauplii	61	610
Cephalodella			Calanoid	3	30
Collotheca	64	640	Cyclopoid	24	240
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	1	10
Filinia	6	60	Daphnia lg.	1	10
Hexarthra	6	60	Daphnia sm.	3	30
Keratella			Diaphanosoma	14	140
Lecane	16	160	Macrothrix	1	10
Platyias			Moina	8	80
Polyarthra	44	440	Others "	7	70
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Volvox	6	60
Others +	18	180	Nematode	1	10
Sub-total:	228	2280	Sub-total:	130	1300
			Total:	358	3580

Notes.

Lots of detritus made ID and counting difficult

ZOOPLANKTON COUNTS. Date counted: 10 / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 12

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	122	12200	Nauplii	95	9500
Cephalodella			Calanoid	2	200
Collotheca			Cyclopoid	6	600
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	11	1100
Hexarthra			Daphnia sm.	3	300
Keratella			Diaphanosoma	1	100
Lecane			Macrothrix		
Platyias			Moina	1	100
Polyarthra			Others V-sm M.*	11	1100
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	122	12200	Sub-total:	130	13000
Notes.			Total:	252	25200

\* Mainly newly hatched Daphnia



ZOOPLANKTON COUNTS. Date counted: 10 / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 13

Date sampled: 27 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	36	360	Nauplii	365	3650
Cephalodella			Calanoid		
Collotheca			Cyclopoid	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	1	10
Polyarthra			Others	4	40
Rotaria			CHIRONOMIDAE	1	10
Synchaeta			ALGAE		
Trichocerca?	41*	410			
Others					
Sub-total:	77	770	Sub-total:	372	3720
			Total:	449	4490

Notes.

\* often in groups of 3-5

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DLSite: MSo (TBx) MSt MTw Sampling station: TVR 4

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%.

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	27	270	Nauplii	111	1110
Cephalodella			Ad.lg ant.	3	30
Collotheca			Ad.st ant.	35	350
Colurella			CLADOCERA		
Conochilus	4	40	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	1	10	Daphnia lg.	4	40
Hexarthra	2	20	Daphnia sm.	8	80
Keratella			Diaphanosoma		
Lecane	1	10	Macrothrix		
Platyias			Moina	7	70
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox lg.	13	130
Sub-total:	35	350	Sub-total:	181	1810
Notes.			Total:	216	2160

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: *RM*

Site: MSo (TBx) MSt MTw

Sampling station: *Tril 5*

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	16	400	Nauplii	74	1850
Cephalodella			Ad.lg ant.	1	25
Collotheca			Ad.st ant.	91	2275
Colurella			CLADOCERA		
Conochilus	1	25	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	2	50
Hexarthra			Daphnia sm.	1	25
Keratella			Diaphanosoma		
Lecane	1	25	Macrothrix		
Platyias			Moina	7	225
Polyarthra	1	25	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox lg	1	25
Sub-total:	19	475	Sub-total:	179	4475
Notes.			Total:	198	4950

large number of copepod skins  
 Many epizoitic ciliates attached to zooplankton

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: *DK*Site: MSo *(TB)* MSt MTw Sampling station: *MF1*

Date sampled: 29 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: *(10)* 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	<i>3</i>	<i>30</i>	Nauplii	<i>61</i>	<i>610</i>
Cephalodella			Ad.lg ant.	<i>3</i>	<i>30</i>
Collotheca			Ad.st ant.	<i>9</i>	<i>90</i>
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	<i>1</i>	<i>10</i>
Filinia			Daphnia lg.		
Hexarthra	<i>1</i>	<i>10</i>	Daphnia sm.	<i>1</i>	<i>10</i>
Keratella			Diaphanosoma		
Lecane	<i>1</i>	<i>10</i>	Macrothrix		
Platyias			Moina	<i>1</i>	<i>10</i>
Polyarthra			Others		
Rotaria			CHIRONOMIDAE	<i>1</i>	<i>10</i>
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<i>Vdov. lg</i>	<i>9</i>	<i>90</i>
Sub-total:	<i>5</i>	<i>50</i>	Sub-total:	<i>86</i>	<i>860</i>
Notes.			Total:	<i>91</i>	<i>910</i>

# ROTIFERA

Date	1	MSt
Asplanchna		*
Brachionus		*
Cephalodella		*
Collotheca		
Colurella		
Conochiloides		
Conochilus		*
Euchlanis		
Filinia		*
Harringia		
Hexarthra		*
Keratella		
Lecane		*
Platyias		
Polyarthra		*
Rotaria		*
Squatinella		
Synchaeta		
Trichocerca		*

\* = present



ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: *DN*Site: MSo TBx (MSt) MTw Sampling station: *Bar 1*

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	20	COPEPODA		
Brachionus	14	140	Nauplii	103	1030
Cephalodella			Ad.lg ant.	17	170
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus	2	20	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	21	210	Daphnia lg.		
Hexarthra	1	10	Daphnia sm.	2*	20
Keratella			Diaphanosoma	3	30
Lecane	1	10	Macrothrix		
Platytias			Moina		
Polyarthra	1	10	Others		
Rotaria	6	60	CHIRONOMIDAE	1	10
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others	1	10			
Sub-total:	49	490	Sub-total:	127	1270
			Total:	176	1760

Notes.

\* *Daphnia lumholtzi*

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: JH

Site: MSo TBx (MSt) MTw Sampling station: Row 2

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	3	30	Nauplii	15	150
Cephalodella			Ad.lg ant.	10	100
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	5	50	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	1	10	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE		
Others	1	10			
Sub-total:	10	100	Sub-total:	27	270
Notes.			Total:	37	370



ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DK

Site: MSo TBx (MSt) MTw Sampling station: Resv 3

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	5	50	Nauplii	32	320
Cephalodella			Ad.lg ant.	12	120
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	8	80	Daphnia lg.		
Hexarthra	2	20	Daphnia sm.		
Keratella			Diaphanosoma	1	10
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	4	40	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others *	2	20			
Sub-total:	21	210	Sub-total:	46	460
			Total:	67	670

Notes.

\*



ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DLSite: MSo TBx MSt MTwSampling station: Row 4

Date sampled: 27 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	30	COPEPODA		
Brachionus	12	120	Nauplii	50	500
Cephalodella			Ad.lg ant.	39	390
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	8	80	Daphnia lg.		
Hexarthra	1	10	Daphnia sm.		
Keratella			Diaphanosoma	7	70
Lecane			Macrothrix		
Platytas			Moina	2	20
Polyarthra	2	20	Others		
Rotaria	2	20	CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others	3	30			
Sub-total:	31	310	Sub-total:	98	980
Notes.			Total:	129	1290

ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: *DK*

Site: MSo TBx (MSt) MTw Sampling station: Pool 1

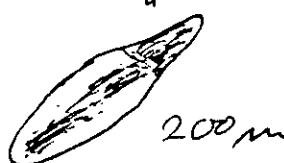
Date sampled: 23 / Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	2	20	Nauplii	5	50
Cephalodella			Calanoid	1	10
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platytias			Moina	1	10
Polyarthra	1	10	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Others <sup>b</sup>	3	30
Others <sup>a</sup>	1	10			
Sub-total:	4	40	Sub-total:	10	100
			Total:	14	140

Notes.



ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: JK

Site: MSo TBx (MSt) MTw Sampling station: Pool 3

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	22	220	Nauplii	170	1700
Cephalodella	1	10	Calanoid	28	280
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	22	220	Daphnia lg.		
Hexarthra	1	10	Daphnia sm.		
Keratella			Diaphanosoma	6	60
Lecane			Macrothrix		
Platyias			Moina	2	20
Polyarthra	15	15	Others <sub>small</sub>	21	10
Rotaria	4	40	CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Nematode	6	60
Others	20	20	Ephemeroptera	1	10
Sub-total:	86	860	Sub-total:	214	2140
			Total:	300	3000

Notes.



lot of sediment and detritus

ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: *DL*

Site: MSo TBx (MSt) MTw Sampling station: *Pool 4*

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	20	COPEPODA		
Brachionus	13	130	Nauplii	180	1800
Cephalodella			Calanoid	26	260
Collotheca			Cyclopoid	3	30
Colurella			CLADOCERA		
Conochilus	22	220	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	9	90	Daphnia lg.		
Hexarthra			Daphnia sm. <i>kumbholzi</i>	2	20
Keratella			Diaphanosoma	12	120
Lecane			Macrothrix		
Platyias			Moina	13	130
Polyarthra	6	60	Others <i>small</i>	3	30
Rotaria	7	70	CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	6	60			
Sub-total:	65	650	Sub-total:	239	2390
Notes.			Total:	304	3040



120um  
5



180um  
1

*lot of sediment and detritus*

ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DUL

Site: MSo TBx (MSt) MTw Sampling station: Pool 5

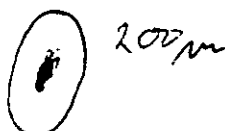
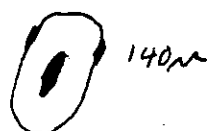
Date sampled: 23 / Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	2	50	Nauplii	169	4225
Cephalodella			Calanoid	22	550
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus	4	100	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	5	125	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma	6	150
Lecane			Macrothrix		
Platytias			Moina	8	200
Polyarthra			Others		
Rotaria			CHIRONOMIDAE	1	25
Synchaeta			ALGAE		
Trichocerca					
Others <sup>4</sup>	2	50			
Sub-total:	13	325	Sub-total:	206	5150
			Total:	219	5475

Notes.



ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DU

Site: MSo TBx (MSt) MTw Sampling station: Pool 10

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 (20) 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 5

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	40	COPEPODA		
Brachionus	124	2480	Nauplii	50	1000
Cephalodella			Calanoid	16	320
Collotheca			Cyclopoid	10	200
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	35	700	Daphnia lg.	8	160
Hexarthra	23	460	Daphnia sm.	2	40
Keratella			Diaphanosoma	2	40
Lecane	1	20	Macrothrix		
Platyias			Moina	15	300
Polyarthra	4	80	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca?	1	20	Nematode	4	80
Others	.	20			
Sub-total:	191	3820	Sub-total:	107	2140
Notes.			Total:	298	5960



172um

ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: DU

Site: MSo TBx (MSt) MTw Sampling station: Pool 12

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	25	COPEPODA		
Brachionus	25	625	Nauplii	77	1925
Cephalodella			Calanoid	25	625
Collotheca			Cyclopoid	21	525
Colurella			CLADOCERA		
Conochilus	139	3475	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	9	225	Daphnia lg.		
Hexarthra			Daphnia sm.	2	50
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	14	350
Polyarthra	2	50	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	176	4400	Sub-total:	139	3475
Notes.			Total:	315	7875



ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: DK

Site: MSo TBx MSt MTw Sampling station: Pool 15

Date sampled: 23 / Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	54	1350	Nauplii	23	575
Cephalodella	3	75	Calanoid	1	25
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	77	1925	Daphnia lg.		
Hexarthra	39	975	Daphnia sm.		
Keratella			Diaphanosoma	3	75
Lecane	1	25	Macrothrix		
Platyias			Moina	1	25
Polyarthra	17	425	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	<i>some Spirulina</i>	
Trichocerca	1	25	Nematode	1	25
Others <sup>4</sup>	2	50			
Ascomorpha?	23	575			
Sub-total:	217	5425	Sub-total:	29	725
Notes.			Total:	246	6150



ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: DVA

Site: MSo TBx (MSt) MTw

Sampling station: Pool 17

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna *	12	300	COPEPODA		
Brachionus	86	2150	Nauplii	57	1425
Cephalodella	5	125	Calanoid	2	50
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	146	3650	Daphnia lg.	1	25
Hexarthra	71	1775	Daphnia sm.		
Keratella			Diaphanosoma	6	150
Lecane			Macrothrix		
Platytas			Moina		
Polyarthra	24	600	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	344	8600	Sub-total:	66	1650
			Total:	410	10250

Notes.

\* May be ascomorpha

ZOOPLANKTON COUNTS. Date counted: 4 / JULY / 91 Counted by: DLK

Site: MSo TBx (MSt) MTw Sampling station: Pool 27

Date sampled: 23 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	9	225	COPEPODA		
Brachionus	158	3950	Nauplii	45	1125
Cephalodella			Calanoid	19	475
Collotheca			Cyclopoid	7	175
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	39	975	Daphnia lg.	10	250
Hexarthra	7	175	Daphnia sm.	6	150
Keratella			Diaphanosoma	7	175
Lecane			Macrothrix		
Platyias			Moina	14	350
Polyarthra	8	200	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Nematode	6	150
Others					
Sub-total:	388	9700	Sub-total:	114	2850
Notes.			Total:	502	12550



# ROTIFERA

Date	1	MTw
Asplanchna		*
Brachionus		*
Cephalodella		
Collotheca		*
Colurella		
Conochiloides		*
Conochilus		*
Euchlanis		
Filinia		*
Harringia		
Hexarthra		*
Keratella		*
Lecane		*
Platyias		*
Polyarthra		*
Rotaria		
Squatinella		
Synchaeta		
Trichocerca		

\* = present



ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: *DU*Site: MSo TBx MSt *(MTw)* Sampling station: *Rev 1*

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: *(10)* 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	7	7	COPEPODA		
Brachionus	161	1610	Nauplii	20	200
Cephalodella			Ad.lg ant.	6	60
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	95	950	Daphnia lg.		
Hexarthra	50	500	Daphnia sm.	3	30
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platylas			Moina		
Polyarthra	12	120	Others		
Rotaria	1	10	CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others	2	20			
Conochiloides	89	890			
Sub-total:	416	4160	Sub-total:	29	290
Notes.			Total:	445	4450

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: *DU*Site: MSo TBx MSt *(MTw)* Sampling station: *Row 2*

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 mlVolume of sub-sample: 1 ml. % of sample *4%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	75	COPEPODA		
Brachionus	209	5225	Nauplii	21	525
Cephalodella			Ad.lg ant.	1	25
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	54	1350	Daphnia lg.	8	200
Hexarthra	58	1450	Daphnia sm.	1	25
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	20	500	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
<i>Conochiloides</i>	31	775			
Sub-total:	375	9375	Sub-total:	31	775
Notes.			Total:	406	10150



ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: *DL*Site: MSo TBx MSt *(MTw)* Sampling station: *Res 3*

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 *(50)* 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	100	COPEPODA		
Brachionus	51	2550	Nauplii	12	600
Cephalodella			Ad.lg ant.	3	150
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	12	600	Daphnia lg.		
Hexarthra	24	1200	Daphnia sm.	1	50
Keratella	2	100	Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	16	800	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
<i>Conochiloides</i>	28	1400			
Sub-total:	135	6750	Sub-total:	16	800
Notes.			Total:	151	7550

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DLSite: MSo TBx MSt (MTw) Sampling station: Rsvr 4

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 mlVolume of sub-sample: 1 ml. % of sample 4 %

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	16	400	COPEPODA		
Brachionus	78	1950	Nauplii	19	475
Cephalodella			Ad.lg ant.	4	100
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	10	250	Daphnia lg.		
Hexarthra	46	1150	Daphnia sm.		
Keratella	1	25	Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	13	325	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<i>Vorticellids present</i>		
Conochiloids	28	700			
Sub-total:	192	4800	Sub-total:	23	575
Notes.			Total:	215	5375

ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DL

Site: MSo TBx MSt (MTw) Sampling station: pool 25

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	100	COPEPODA		
Brachionus	212	5300	Nauplii	13	325
Cephalodella			Calanoid	5	125
Collotheca	34	850	Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	39	975	Daphnia lg.	3	75
Hexarthra	9.5	2375	Daphnia sm.	5	125
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	7	175	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Nematode	3	75
Others			Vorticellid colonies		
Sub-total:	391	9775	Sub-total:	29	725
Notes.			Total:	420	10500

Sediment and detritus particles

NOOTATION COUNTS Date counted: 2 JULY 91 Counted by: Dk

Site: M20 T10 M21 M22 Sampling station: Pond 21

Date sampled: 20 Jan 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 28 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	40	COPEPODA		
Brachionus	24	240	Nauplii	2	20
Cephalopoda			Calanoid	2	20
Collotheca	2	20	Cyclopoid		
Colpoda			CLADOCERA		
Conochilus			Alona		
Euphausia			Gomphus		
Euphausia			Ceriodaphnia		
Flinia	26	260	Daphnia lg.		
Hexarthra	4	40	Daphnia sm.		
Hydrachna			Diaphanosoma		
Isotona			Macrothrix		
Platydes			Moina		
Polyarthra	12	120	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	92	920	Sub-total:	4	40
			Total:	99	990

Notes.

ZOOPLANKTON COUNTS. Date counted: 5/ JULY / 91 Counted by: *DU*

Site: MSo TBx MSt MTW Sampling station: Pool 32

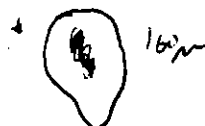
Date sampled: 30 / Jan / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	20	500	Nauplii		
Cephalodella			Calanoid		
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	3	75	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	1	25	Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Nematode	3	75
Others "	7	175			
Sub-total:	31	775	Sub-total:	3	75
			Total:	34	850

Notes.



Lot of detritus

ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DVL

Site: MSo TBx MSt (MTw) Sampling station: Pool 34

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	50	COPEPODA		
Brachionus	87	4350	Nauplii	2	100
Cephalodella	1	50	Calanoid		
Collotheca	3	150	Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	3	150	Daphnia lg.	2	100
Hexarthra	25	1250	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	1	50	Macrothrix		
Platytas			Moina	1	50
Polyarthra	1	50	Others		
Rotaria			CHIRONOMIDAE	1	50
Synchaeta			ALGAE		
Trichocerca			Nematode	3	150
Others			Vorticellid colonies present		
Sub-total:	122	6100	Sub-total:	9	450
			Total:	131	6550

Notes.

Lots of detritus and sediment

ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DK

Site: MSo TBx MSt MTw Sampling station: Pool 35

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	5	125	Nauplii	1	25
Cephalodella			Calanoid	3	75
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	31	775	Daphnia lg.		
Hexarthra	8	200	Daphnia sm.		
Keratella	1	25	Diaphanosoma		
Lecane	1	25	Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca			Vorticellid colonies present		
Others *	12	300			
Sub-total:	58	1450	Sub-total:	4	100
			Total:	62	1550

Notes.

Lots of detritus and sediment

- \* Rotifers had particles sticking to them - made ID. difficult  
 9 may be brachionus  
 2 - cephalodella  
 1 unknown.

ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DA

Site: MSo TBx MSt MTW Sampling station: Pool 36

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	7	175	COPEPODA		
Brachionus	81	2025	Nauplii		
Cephalodella			Calanoid		
Collotheca	35	875	Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	66	1650	Daphnia lg.	1	25
Hexarthra	81	2025	Daphnia sm.	3	75
Keratella	3	75	Diaphanosoma		
Lecane			Macrothrix		
Platylas			Moina		
Polyarthra	10	250	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	283	7075	Sub-total:	4	100
Notes.			Total:	287	7175



ZOOPLANKTON COUNTS. Date counted: 5 / JULY / 91 Counted by: DU

Site: MSo TBx MSt (MTW) Sampling station: Pool 43

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	11	110	Nauplii	3	30
Cephalodella			Calanoid		
Collotheca	1	10	Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	3	30	Daphnia lg.		
Hexarthra	1	10	Daphnia sm.		
Keratella	1	10	Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	17	170	Sub-total:	3	30
Notes.			Total:	20	200

ZOOPLANKTON COUNTS. Date counted: 2 / May / 91 Counted by: DUSite: MSo TBx MSt MTw Sampling station: TWR 8

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	150	COPEPODA		
Brachionus	55	1375	Nauplii	6	150
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	1	25
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	15	375	Daphnia lg.		
Hexarthra	36	900	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platytias			Moina		
Polyarthra	4	100	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	6	150
Trichocerca			ALGAE		
Others					
<i>Conochiloides</i>	14	350			
Sub-total:	130	3250	Sub-total:	13	325
Notes.			Total:	143	3575

ZOOPLANKTON COUNTS. Date counted: 3 / May / 91 Counted by: DLSite: MSo TBx MSt (MTw) Sampling station: TWR 10

Date sampled: 30 / Jan / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 mlVolume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	150	COPEPODA		
Brachionus	105	2625	Nauplii	9	225
Cephalodella			Ad.lg ant.	6	150
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	40	1000	Daphnia lg.	1	25
Hexarthra	57	1425	Daphnia sm.	2	50
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platytas			Moina		
Polyarthra	1	25	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca	4		ALGAE		
Others *	1	25	Bivalve	1	25
Conochiloids	37	925			
Sub-total:	247	6175	Sub-total:	19	475
			Total:	266	6650

Notes.

+

300 µm  
(Harrington?)



# ROTIFERA

Date 1 MCK / CCK

Asplanchna	*
Brachionus	*
Cephalodella	
Collotheca	
Colurella	
Conochiloides	
Conochilus	
Euchlanis	*
Filinia	*
Harringia	*
Hexarthra	*
Keratella	*
Lecane	*
Platyias	
Polyarthra	*
Rotaria	*
Squatinella	*
Synchaeta	
Trichocerca	*

\* = present



Helix Cotton Study Moree Australia,

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 3 / MAY / 91 Counted by: *DK*

Site: MSo TBx MSt MTw Sampling station: *MCK A*

Date sampled: 25 / JAN / 91 Sieve size: 63µm

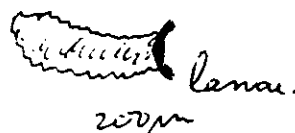
Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA <i>COPEPODITE</i>	1	10
Brachionus	48	480	Nauplii	63	630
Cephalodella			Ad.lg ant.	2	20
Collotheca			Ad.st ant.	28	280
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia	25	250	Daphnia lg.		
Hexarthra	38	380	Daphnia sm.		
Keratella			Diaphanosoma	17	170
Lecane			Macrothrix		
Platyias			Moina	1	10
Polyarthra	16	160	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE	many 100's of small filaments	
Others	3	30	<i>Microsterna</i>	(1)	(10)
			Larvae small	9	90
Sub-total:			Sub-total:	251	2510
			Total:	381	3810

Notes.

(2)  
160µm



(1) alga - not counted in total

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 3 / MAY / 91 Counted by: DL

Site: MSo TBx MSt MTw Sampling station: MCK1

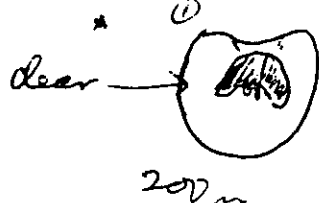
Date sampled: 25 / JAN / 91 Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	35	350	Nauplii	40	400
Cephalodella			Ad.lg ant.	1	10
Collotheca			Ad.st ant.	19	190
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia	5	50	Daphnia lg.		
Hexarthra	5	50	Daphnia sm.		
Keratella	7	10	Diaphanosoma	21	210
Lecane	1		Macrothrix		
Platyias			Moina	1	10
Polyarthra	6	60	Others	1	10
Rotaria	2	20	CHIRONOMIDAE	1	10
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE <sup>microsten</sup>	(1)	(10)
Others *	3	30	Larvae small	5	50
Harringia	2	20	Ephemeriptera	1	10
Sub-total:	60	600	Sub-total:	91	910
			Total:	151	1510

Notes





Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 3 / MAY / 91 Counted by: DCL

Site: MSo TBx MSt MTw Sampling station: CCK A

Date sampled: 25 / JAN / 91

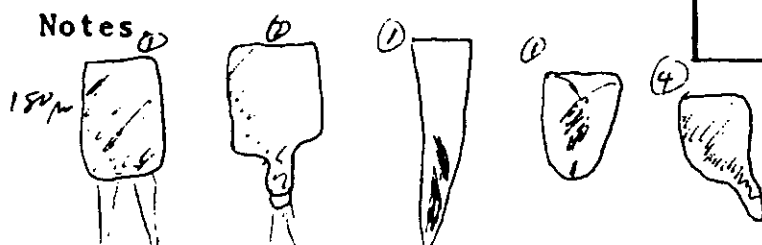
Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	3	30	Nauplii		
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia	1	10	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella	1	10	Diaphanosoma		
Lecane	2	20	Macrothrix		
Platyias			Moina		
Polyarthra	1	10	Others		
Rotaria			CHIRONOMIDAE	2	20
Synchaeta			NEMATODES	3	30
Trichocerca			ALGAE		
Others	9	90	Desmids }	(24)	(240)
			Ephraimaster	2	20
Sub-total:	17	170	Sub-total:	7	70
			Total:	24	240

Notes



lots of detritus

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: DL

Site: MSo TBx MSt MTw Sampling station: CCK1

Date sampled: 25 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	2	20	Nauplii		
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra	1	10	Daphnia sm.		
Keratella	2	20	Diaphanosoma		
Lecane			Macrothrix		
Platylas			Moina		
Polyarthra	2	20	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE	✓	✓
Others	4	40	Desmids	8	80
Sub-total:	12	120	Sub-total:	1	10
			Total:	13	120

Notes.

20PM

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: DUL

Site: MSo TBx MSt MTw Sampling station: CCKZ

Date sampled: 25 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA <i>COPEPODITE</i>	2	20
Brachionus	3	30	Nauplii	28	280
Cephalodella			Ad.lg ant.	5	50
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona	1	10
Epiphanes			Bosmina		
Euclaris	2	20	Ceriodaphnia		
Filinia	9	90	Daphnia lg.		
Hexarthra	44	440	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix	2	20
Platytias			Moina		
Polyarthra	1	10	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE		
Others*	6	60	<i>Desm. id</i> }	(7)	(70)
Sub-total:	66	660	Sub-total:	39	390
			Total:	105	1050

Notes.



Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: DCC

Site: MSo TBx MSt MTw Sampling station: CCK 3

Date sampled: 25 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	8	80	Nauplii	2	20
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris ?	2	20	Ceriodaphnia		
Filinia	7	70	Daphnia lg.		
Hexarthra	1	10	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix	1	10
Platylas			Moina		
Polyarthra	1	10	Others <sub>small</sub>	4	40
Rotaria	2	20	CHIRONOMIDAE	1	10
Synchaeta			NEMATODES		
Trichocerca	4	40	ALGAE Desm. A	(10)	(100)
Others	6	60	Ostracod	1	10
			Ephraimodora	1	10
Sub-total:	31	310	Sub-total:	11	110
Notes.			Total:	42	420

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: DLK

Site: MSo TBx MSt MTw Sampling station: CCK 4

Date sampled: 25 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA <del>COPEPODITE</del>	1	10
Brachionus	2	20	Nauplii		
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona	1	10
Epiphanes			Bosmina		
Euclaris	3	30	Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	3	30	Macrothrix	1	10
Platylas			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE	✓	✓
Others	3	30	Dosmids }	(17)	(170)
			Ephraemoptera	1	10
Sub-total:	11	110	Sub-total:	4	40
Notes.			Total:	15	150

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: *DU*

Site: MSo TBx MSt MTw Sampling station: *CCK 5*

Date sampled: 28 / JAN / 91 Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA	2	20
Brachionus			<i>Copepodine</i>		
Cephalodella			Nauplii		
Collotheca			Ad.lg ant.		
Colurella			Ad.st ant.		
Conochilus			CLADOCERA		
Epiphanes			Alona		
Euclaris			Bosmina		
Filinia	3	30	Ceriodaphnia		
Hexarthra	1	10	Daphnia lg.		
Keratella			Daphnia sm.		
Lecane			Diaphanosoma		
Platyias			Macrothrix		
Polyarthra	1	10	Moina		
Rotaria			Others		
Synchaeta			CHIRONOMIDAE		
Trichocerca			NEMATODES		
Others	4	40	ALGAE		
			Desmids	(7)	(70)
			Ephraim	1	10
Sub-total:	9	90	Sub-total:	3	30
			Total:	12	120

Notes.



170µm



200µm

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: *DL*

Site: MSo TBx MSt MTw Sampling station: *CLK B*

Date sampled: 28 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA <i>COPEPODITE</i>	3	30
Brachionus	6	60	Nauplii	5	50
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella	1	10	Diaphanosoma		
Lecane	1	10	Macrothrix		
Platyias	1	10	Moina		
Polyarthra			Others		
Rotaria	1	10	CHIRONOMIDAE		
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE		
Others	3	30	<i>Desmids</i>	(12)	(120)
Sub-total:	13	130	Sub-total:	9	90
Notes.			Total:	22	220

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: DK

Site: MSo TBx MSt MTw Sampling station: CCKC

Date sampled: 28 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA <small>COPEPODITE</small>	17	170
Brachionus	12	120	Nauplii	1	10
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus			Alona	1	10
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia	1	10	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	3	30	Macrothrix		
Platyias			Moina	1	10
Polyarthra	1	10	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES <small>OLIGONEURUS</small>	1	10
Trichocerca			ALGAE		
Others	7	70	Desmid } (6) (60)		
Sub-total:	25	250	Sub-total:	22	220
			Total:	47	470

Notes.

150µm





Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 7 / MAY / 91 Counted by: DLU

Site: MSo TBx MSt MTw Sampling station: CCK 6

Date sampled: 28 / JAN / 91 Sieve size: 63µm

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	14	140	Nauplii <small>COPEPODITE</small>	1	10
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platytas			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others*	14	140	Desmidsi*	(25)	(250)
			Ephemeroptera	1	10
Sub-total:	29	290	Sub-total:	2	20
Notes.			Total:	31	310

\* Various shapes

\* Algae.

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: /4/ MAY / 91 Counted by: *DK*

Site: MSo TBx MSt MTw Sampling station: *CK 7*

Date sampled: *28/* JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: *(10)* 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample *10*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	<i>1</i>	<i>10</i>	COPEPODA		
Brachionus	<i>22</i>	<i>220</i>	Nauplii	<i>3</i>	<i>30</i>
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra			Others	<i>2</i>	<i>20</i>
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE	<i>✓</i>	
Others	<i>4</i>	<i>40</i>			
<i>Notholca?</i>	<i>1</i>	<i>10</i>			
Sub-total:	<i>28</i>	<i>280</i>	Sub-total:	<i>5</i>	<i>50</i>
Notes.			Total:	<i>32</i>	<i>320</i>

Helix Cotton Study Moree Australia.

Study No. 90JH006

ZOOPLANKTON COUNTS. Date counted: 14 / MAY / 91 Counted by: DL

Site: MSo TBx MSt MTw Sampling station: CCK 0

Date sampled: 28 / JAN / 91

Sieve size: 63µm

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA	3	30
Brachionus	4	40	Nauplii	3	30
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euclaris			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	2	20	Macrothrix		
Platytias			Moina		
Polyarthra			Others	1	10
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE	✓	✓
Others	12	120	Desmids	(5)	(50)
SQUATINGELLA?	1	10	Bivalve	1	10
Sub-total:	19	190	Sub-total:	8	80
			Total:	27	270

Notes.



1991 SAMPLE LOG - 24-Feb-91

(All shipments to Merrindale unless otherwise stated).

Sampling date	Sample purpose	Sample type	Study site	Sampling Station 1st code	Sampling Station 2nd code	Sample notes	Backup Y/N	Date Shipped	Shipment no.	Box no.
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SOX:

.BIOLOGICAL - ZOOPLANKTON (Date 2 - Pre-treatment)

BOX:

12-Feb-91	BIO	ZP	MSO	Resr	1A	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Resr	3	- 2	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Resr	5	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Resr	6	- 2	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	1	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	6	- 2	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	10	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	11	- 2	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	13	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	16	- 2	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	17	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	18	- 2	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	Pool	23	- 1	N	26-Feb-91	91/4	-
12-Feb-91	BIO	ZP	MSO	TWR	4	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Resr	1	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Resr	2	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Resr	3	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Resr	4	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	1	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	2	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	5	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	6	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	9	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	10	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	12	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	Pool	13	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	TWR	4	- 1	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	TWR	5	- 2	N	26-Feb-91	91/4	-
13-Feb-91	BIO	ZP	TBx	MF	1	- 1	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MSt	Resr	1	- 2	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MSt	Resr	2	- 1	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MSt	Resr	3	- 2	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MSt	Resr	4	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	1	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	3	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	4	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	5	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	10	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	12	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	15	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	17	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MSt	Pool	23	- 2	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MTw	Resr	1	- 1	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MTw	Resr	2	- 2	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MTw	Resr	3	- 1	N	26-Feb-91	91/4	-
14-Feb-91	BIO	ZP	MTw	Resr	4	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	Pool	31	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	Pool	32	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	Pool	34	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	Pool	35	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	Pool	36	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	Pool	43	- 2	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	TWR	8	- 1	N	26-Feb-91	91/4	-
15-Feb-91	BIO	ZP	MTw	TWR	10	- 2	N	26-Feb-91	91/4	-
17-Feb-91	BIO	ZP	-	MCK	A	-	N	26-Feb-91	91/4	-
17-Feb-91	BIO	ZP	-	MCK	1	- 2	N	26-Feb-91	91/4	-

17 Feb 91

BIO

ZP

-

CCK

- 1

N

26-Feb-91

91/4

-

17-Feb-91

BIO

ZP

-

CCK

2

N

26-Feb-91

91/4

-

17-Feb-91

BIO

ZP

-

CCK

3

N

26-Feb-91

91/4

-

17-Feb-91

BIO

ZP

-

CCK

4

N

26-Feb-91

91/4

-

13-Feb-91

BIO

ZP

-

CCK

6

N

26-Feb-91

91/4

-

13-Feb-91

BIO

ZP

-

CCK

7

N

26-Feb-91

91/4

-

13-Feb-91

BIO

ZP

-

CCK

8

N

26-Feb-91

91/4

-

# ROTIFERA

Date	2	MSo
Asplanchna		*
Brachionus		*
Cephalodella		*
Collotheca		
Colurella		
Conochiloides		
Conochilus		*
Euchlanis		*
Filinia		*
Harringia		
Hexarthra		*
Keratella		*
Lecane		*
Platyias		
Polyarthra		*
Rotaria		?
Squatinella		
Synchaeta		
Trichocerca		*

\* = present



ZOOPLANKTON COUNTS. Date counted: 23 / April / 91 Counted by: DA

Site: (MSO) TBx MSt MTw Sampling station: Resv. 1A

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	2	20	Nauplii	2	20
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus	2	20	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	1	10	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others ①	4	40	Microstena	2	20
②	18	180			
Sub-total:	27	270	Sub-total:	5	50
			Total:	32	320

Notes.

① Similar to Ascomorpha

②



ZOOPLANKTON COUNTS. Date counted: 24 / April / 91 Counted by: DU

Site: (MSO) TBx MSt MTw Sampling station: Resr 3

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	7	175	Nauplii	72	1800
Cephalodella			Ad.lg ant.	8	200
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	63	1575	Daphnia lg.		
Hexarthra	6	150	Daphnia sm.		
Keratella	3	75	Diaphanosoma	1	25
Lecane	3	75	Macrothrix		
Platyias			Moina	26	650
Polyarthra	150	3750	Others <sub>small</sub>	3	75
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE	many short	filament
Others <sup>①</sup>	11	275	Microstena	2	50
②	8	200			
Sub-total:	251	6275	Sub-total:	112	2800
			Total:	363	9075

Notes.

① no distinguishing features

②





ZOOPLANKTON COUNTS. Date counted: 24 / April / 91 Counted by: *DU*

Site: (MSO) TBx MSt MTw Sampling station: *Reers*

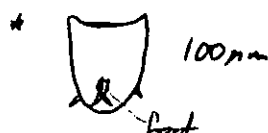
Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	10	500	COPEPODA		
Brachionus	2	100	Nauplii	56	2800
Cephalodella			Ad.lg ant.	6	300
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus	1	50	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	49	2450	Daphnia lg.		
Hexarthra	73	3650	Daphnia sm.		
Keratella	20	1000	Diaphanosoma		
Lecane	3	150	Macrothrix		
Platyias			Moina	6	300
Polyarthra	51	2550	Others	1	50
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca	7	350	ALGAE	Many short	Filaments
Others	4	200	Desmid	1	50
*	16	800			
Sub-total:	236	11800	Sub-total:	70	3500
Notes.			Total:	306	15300



ZOOPLANKTON COUNTS. Date counted: 24 / April / 91 Counted by: DL

Site: (MSO) TBx MSt MTw Sampling station: Resr. 6

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	13	1300	COPEPODA		
Brachionus	2	200	Nauplii	48	4800
Cephalodella			Ad.lg ant.	21	2100
Collotheca			Ad.st ant.	1	100
Colurella			CLADOCERA		
Conochilus	7	700	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	47	4700	Daphnia lg.		
Hexarthra	106	10600	Daphnia sm.		
Keratella	4	400	Diaphanosoma		
Lecane	1	100	Macrothrix		
Platyias			Moina		
Polyarthra	78	7800	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca	11	1100	ALGAE	Many short filaments	
Others *	10	1000	Desmids	2	200
Sub-total:	279	27900	Sub-total:	72	7200
			Total:	351	35100

Notes.

#



ZOOPLANKTON COUNTS. Date counted: 24 / April / 91 Counted by: DUL

Site: (MSO) TBx MSt MTw Sampling station: Pool 1

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	150	COPEPODA		
Brachionus	11	275	Nauplii	27	675
Cephalodella			Ad.lg ant.	7	175
Collotheca			Ad.st ant.	1	25
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	9	225	Daphnia lg.		
Hexarthra	3	75	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	1	25	Macrothrix		
Platyias			Moina	39	975
Polyarthra	14	350	Others <small>small</small>	3	75
Rotaria			CHIRONOMIDAE	1	25
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others	7	175			
*	12	300			
Sub-total:	63	1575	Sub-total:	78	1950
Notes.			Total:	141	3525



ZOOPLANKTON COUNTS. Date counted: 25 / April / 91 Counted by: DLSite: (MSO) TBx MSt MTw Sampling station: Pool 6

Date sampled: 12 / Feb / 91

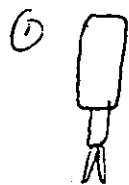
Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	30	300	COPEPODA		
Brachionus	22	220	Nauplii	43	430
Cephalodella	3	30	Ad.lg ant.	9	90
Collotheca			Ad.st ant.	1	10
Colurella			CLADOCERA		
Conochilus	1	10	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	13	130	Daphnia lg.		
Hexarthra	2	20	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	21	210
Polyarthra	68	680	Others	2	20
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE		
Others ①	15	150			
②	27	270			
Sub-total:	181	1810	Sub-total:	77	770
			Total:	258	2580

Notes.



13 = no distinguishing feature

②



ZOOPLANKTON COUNTS. Date counted: 25 / April / 91 Counted by: *DU*

Site: MSO TBx MSt MTw Sampling station: *Pool 10*

Date sampled: 12 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 2 %

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	18	900	COPEPODA		
Brachionus	15	750	Nauplii	24	1200
Cephalodella			Ad.lg ant.	21	1050
Collotheca			Ad.st ant.	1	50
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	58	2900	Daphnia lg.		
Hexarthra	74	3700	Daphnia sm.		
Keratella	9	450	Diaphanosoma		
Lecane	2	100	Macrothrix		
Platytias			Moina	59	2950
Polyarthra	222	11100	Others <i>small</i>	1	50
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE	<i>small filament</i>	
Others *	11	550			
Sub-total:	351	17550	Sub-total:	106	5300
			Total:	457	22850

Notes.

\* 2 =



ZOOPLANKTON COUNTS. Date counted: 11 / JULY / 91 Counted by: JKL

Site: (MSO) TBx MSt MTw Sampling station: Pool 11

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	19	950	COPEPODA		
Brachionus	31	1550	Nauplii	47	2350
Cephalodella			Calanoid	30	1500
Collotheca			Cyclopoid	2	100
Colurella			CLADOCERA		
Conochilus	5	250	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	56	2800	Daphnia lg.		
Hexarthra	64	3200	Daphnia sm.		
Keratella	21	1050	Diaphanosoma		
Lecane	4	200	Macrothrix		
Platytias			Moina	111	5550
Polyarthra	69	3450	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	1	50			
Sub-total:	270	13500	Sub-total:	190	9500
			Total:	460	23000

Notes.



ZOOPLANKTON COUNTS. Date counted: 27 / June / 91 Counted by: *DU*Site: *(MSO)* TBx MSt MTw Sampling station: *Pool 13*

Date sampled: 12 / Feb / 91

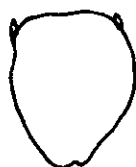
Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	50	COPEPODA		
Brachionus	38	950	Nauplii	3	75
Cephalodella	68	1700	Calanoid	1	25
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	2	50	Daphnia lg.		
Hexarthra	5	125	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	6	150	Macrothrix		
Platyias			Moina		
Polyarthra	84	2100	Others.		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	✓	
Trichocerca	12	300			
Others *	34	850			
Sub-total:	251	6275	Sub-total:	4	100
			Total:	255	6375

Notes.

100µm  
2110µm  
9170µm  
2180µm  
4

Rest no obvious features

ZOOPLANKTON COUNTS. Date counted: 27 / June / 91 Counted by: DM

Site: (MSO) TBx MSt MTw Sampling station: Pool 16

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	9	90	COPEPODA		
Brachionus	3	30	Nauplii	15	150
Cephalodella	2	20	Calanoid	1	10
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma	4	40
Lecane	2	20	Macrothrix		
Platyias			Moina	4	40
Polyarthra	10	100	Others small	1	10
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE	✓	
Trichocerca	2	20	Microsterna	1	10
Others	16	160			
Sub-total:	44	440	Sub-total:	26	260
			Total:	70	700

Notes.





ZOOPLANKTON COUNTS. Date counted: 27/ June / 91 Counted by: DL

Site: MSO TBx MSt MTw Sampling station: Pool 17

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	8	80	Nauplii	5	50
Cephalodella	4	40	Calanoid		
Collotheca			Cyclopoid	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	3	30	Daphnia lg.		
Hexarthra	2	20	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	5	50	Macrothrix		
Platyias			Moina		
Polyarthra	2	20	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	15	150			
Sub-total:	40	400	Sub-total:	6	60
Notes.			Total:	46	460



11



2

ZOOPLANKTON COUNTS. Date counted: 27 / June / 91 Counted by: JWK

Site: (MSO) TBx MSt MTw Sampling station: Pool 18

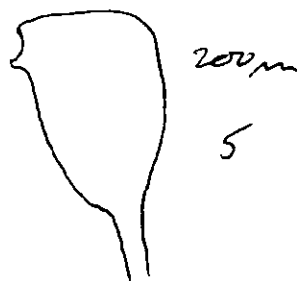
Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	2	20	Nauplii	6	60
Cephalodella			Calanoid		
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	1	10	Daphnia lg.		
Hexarthra	3	30	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	7	70	Macrothrix		
Platyias			Moina		
Polyarthra	2	20	Others		
Rotaria			CHIRONOMIDAE	1	10
Synchaeta			ALGAE	many small	filaments
Trichocerca			Microsternia	1	10
Others	21	210			
Sub-total:	37	370	Sub-total:	8	80
Notes.			Total:	45	450



ZOOPLANKTON COUNTS. Date counted: 27 / June / 91 Counted by: *DM*Site: *(MSO)* TBx MSt MTw Sampling station: *Pool 23*

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 *(25)* 50 100 mlVolume of sub-sample: 1 ml. % of sample *4%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	<i>91</i>	<i>2275</i>	COPEPODA		
Brachionus	<i>15</i>	<i>375</i>	Nauplii	<i>12</i>	<i>300</i>
Cephalodella			Calanoid	<i>13</i>	<i>325</i>
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	<i>55</i>	<i>1375</i>	Daphnia lg.		
Hexarthra	<i>3</i>	<i>75</i>	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	<i>50</i>	<i>1250</i>	Macrothrix		
Platyias			Moina	<i>16</i>	<i>400</i>
Polyarthra	<i>31</i>	<i>775</i>	Others		
Rotaria ?	<i>1</i>	<i>25</i>	CHIRONOMIDAE		
Synchaeta			ALGAE	<i>✓</i>	
Trichocerca					
Others					
Sub-total:	<i>246</i>	<i>6150</i>	Sub-total:	<i>41</i>	<i>1025</i>
Notes.			Total:	<i>287</i>	<i>7175</i>

ZOOPLANKTON COUNTS. Date counted: 25 / April / 91 Counted by: DUSite: (MSo) TBx MSt MTw Sampling station: TWR 6

Date sampled: 12 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	3	30	Nauplii	4	40
Cephalodella			Ad.lg ant.	1	10
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus ?	1	10	Alona		
Epiphanes			Bosmina		
Euchlanis	1	10	Ceriodaphnia		
Filinia	2	20	Daphnia lg.		
Hexarthra	1	10	Daphnia sm.		
Keratella	4	40	Diaphanosoma		
Lecane	3	30	Macrothrix		
Platyias			Moina	3	30
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others	6	60	<i>Oligochaetes</i>	1	10
Sub-total:	22	220	Sub-total:	9	90
Notes.			Total:	31	310

*Some Syngnys  
short Filaments*

# ROTIFERA

Date	2	TBx
Asplanchna		*
Brachionus		*
Cephalodella		
Collotheca		*
Colurella		
Conochiloides		
Conochilus		*
Euchlanis		*
Filinia		*
Harringia		
Hexarthra		*
Keratella		*
Lecane		*
Platyias		
Polyarthra		*
Rotaria		*
Squatinella		
Synchaeta		
Trichocerca		

\* = present



ZOOPLANKTON COUNTS. Date counted: 25 / April / 91 Counted by: *DL*Site: MSo *(TBx)* MSt MTwSampling station: *Res. 1*

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: *(10)* 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	<i>2</i>	<i>20</i>	COPEPODA		
Brachionus	<i>34</i>	<i>340</i>	Nauplii	<i>287</i>	<i>2870</i>
Cephalodella			Ad.lg ant.	<i>40</i>	<i>400</i>
Collotheca			Ad.st ant.	<i>86</i>	<i>860</i>
Colurella			CLADOCERA		
Conochilus	<i>10</i>	<i>100</i>	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	<i>1</i>	<i>10</i>
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma	<i>10</i>	<i>100</i>
Lecane	<i>1</i>	<i>10</i>	Macrothrix	<i>5</i>	<i>50</i>
Platyias			Moina	<i>1</i>	<i>10</i>
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES	<i>1</i>	<i>10</i>
Trichocerca			ALGAE		
Others			<i>Volvox</i>	<i>5</i>	<i>50</i>
Sub-total:	<i>47</i>	<i>470</i>	Sub-total:	<i>436</i>	<i>4360</i>
Notes.			Total:	<i>483</i>	<i>4830</i>

ZOOPLANKTON COUNTS. Date counted: 25 / April / 91 Counted by: *DK*

Site: MSO (TBx) MSt MTw Sampling station: Res. 2

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	150	COPEPODA		
Brachionus	28	1400	Nauplii	49	2450
Cephalodella			Ad.lg ant.	20	1000
Collotheca			Ad.st ant.	59	2950
Colurella			CLADOCERA		
Conochilus	34	1700	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.		
Hexarthra			Daphnia sm.	2	100
Keratella			Diaphanosoma	4	200
Lecane			Macrothrix	4	200
Platyias			Moina	3	150
Polyarthra	4	200	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
Sub-total:	69	3450	Sub-total:	141	7050
Notes.			Total:	210	10500



ZOOPLANKTON COUNTS. Date counted: 26 / April / 91 Counted by: DUSite: MSo (TBx) MSt MTw Sampling station: Res 3Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	37	370	Nauplii	61	610
Cephalodella			Ad.lg ant.	8	80
Collotheca			Ad.st ant.	11	110
Colurella			CLADOCERA		
Conochilus	13 + colony	130	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	2	20	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella	2	20	Diaphanosoma		
Lecane	3	30	Macrothrix		
Platyias			Moina		
Polyarthra	1	10	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			others -	Many 100's of groups of cells - <sup>in</sup> vol. (algae)	
Sub-total:	58	580	Sub-total:	80	800
Notes.			Total:	138	1380

ZOOPLANKTON COUNTS. Date counted: 26 / April / 91 Counted by: *DVL*

Site: MSo TBx MSt MTw Sampling station: *Resr. 4*

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample  $4\%$

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	83	2075	Nauplii	92	2300
Cephalodella			Ad.lg ant.	17	425
Collotheca			Ad.st ant.	37	925
Colurella			CLADOCERA		
Conochilus	64	1600	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	4	100	Daphnia lg.		
Hexarthra	6	150	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	8	200	Macrothrix		
Platyias			Moina	2	50
Polyarthra	1	25	Others <small>small</small>	2	50
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					100% small groups of cells (volvoe?)
			Ostracod	1	25
Sub-total:	166	4150	Sub-total:	151	3775
Notes.			Total:	317	7925

ZOOPLANKTON COUNTS. Date counted: 26 / April / 91 Counted by: *DU*

Site: MSo TBx MSt MTw Sampling station: *Pool 1*

Date sampled: 13 / Feb / 91

Sieve size: 63um

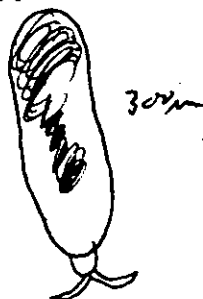
Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	11	275	COPEPODA		
Brachionus	41	1025	Nauplii	3	75
Cephalodella			Ad.lg ant.	3	75
Collotheca	1	25	Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	5	125	Daphnia lg.	4	100
Hexarthra			Daphnia sm.	25	625
Keratella			Diaphanosoma	8	200
Lecane	1	25	Macrothrix		
Platyias			Moina	44	1100
Polyarthra	1	25	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others †	1	25			
Sub-total:	61	1525	Sub-total:	130	3250
			Total:	191	4775

Notes.

†



ZOOPLANKTON COUNTS. Date counted: 27 / June / 91 Counted by: DLSite: MSo TBx MSt MTw Sampling station: Pool 2

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	18	180	COPEPODA		
Brachionus	255	2550	Nauplii	8	80
Cephalodella			Calanoid	2	20
Collotheca			Cyclopoid	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis	1	10	Ceriodaphnia	2	20
Filinia	13	130	Daphnia lg.		
Hexarthra			Daphnia sm.	1	10
Keratella	1	10	Diaphanosoma	2	20
Lecane	13	130	Macrothrix		
Platyias			Moina		
Polyarthra	14	140	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	3	30			
Sub-total:	318	3180	Sub-total:	16	160
Notes.			Total:	334	3340



ZOOPLANKTON COUNTS. Date counted: 1 / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 5

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	7	175	COPEPODA		
Brachionus	71	1775	Nauplii	25	625
Cephalodella			Calanoid	3	75
Collotheca	2	50	Cyclopoid	6	150
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	1	25
Filinia	3	75	Daphnia lg.	4	100
Hexarthra	11	275	Daphnia sm.	3	75
Keratella			Diaphanosoma	1	25
Lecane			Macrothrix		
Platyias			Moina	99	2475
Polyarthra	11	275	Others <small>small</small>	2	50
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	2	50			
Sub-total:	107	2675	Sub-total:	144	3600
Notes.			Total:	251	6275

ZOOPLANKTON COUNTS. Date counted: | / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 6

Date sampled: 13 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	300	COPEPODA		
Brachionus	15	750	Nauplii	60	3000
Cephalodella			Calanoid	10	500
Collotheca			Cyclopoid	11	550
Colurella			CLADOCERA		
Conochilus*	74	3700	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	1	50	Daphnia lg.	9	450
Hexarthra	25	1250	Daphnia sm.	18	900
Keratella			Diaphanosoma		
Lecane			Macrothrix	1	50
Platyias			Moina	56	2800
Polyarthra	8	400	Others small	1	50
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	129	6450	Sub-total:	166	8300
			Total:	295	14850

Notes.

+ Plus 1 colony

ZOOPLANKTON COUNTS. Date counted: / / JULY / 91 Counted by: DL

Site: MSo TBx MSt MTw Sampling station: Pool 9

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	5	125	COPEPODA		
Brachionus	45	1125	Nauplii	61	1525
Cephalodella			Calanoid	6	150
Collotheca	<u>750</u>		Cyclopoid	30	750
Colurella			CLADOCERA		
Conochilus	3	75	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	11	275	Daphnia lg.	2	50
Hexarthra	8	200	Daphnia sm.	10	250
Keratella			Diaphanosoma	3	75
Lecane			Macrothrix		
Platyias			Moina	11	275
Polyarthra	5	125	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	3	75			
Sub-total:	80	2000	Sub-total:	123	3075
Notes.			Total:	203	5075



120um



Collapsed  
lg. 550um  
Structure?  
(2)

ZOOPLANKTON COUNTS. Date counted: 1 / JULY / 91 Counted by: DA

Site: MSo (TBx) MSt MTw Sampling station: Pool 10

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	14	350	COPEPODA		
Brachionus	29	725	Nauplii	117	2925
Cephalodella			Calanoid	43	1075
Collotheca			Cyclopoid	7	75
Colurella			CLADOCERA		
Conochilus	13	325	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	5	125
Hexarthra	1	25	Daphnia sm.	19	475
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	33	825
Polyarthra	4	100	Others small	3	75
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	61	1525	Sub-total:	223	5575
Notes.			Total:	284	7100



ZOOPLANKTON COUNTS. Date counted: 1 / JULY / 91 Counted by: DK

Site: MSo (TBx) MSt MTw Sampling station: Pool 12

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	50	COPEPODA		
Brachionus	126	3150	Nauplii	26	650
Cephalodella			Calanoid	19	475
Collotheca			Cyclopoid	7	175
Colurella			CLADOCERA		
Conochilus	13	325	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia	1	25
Filinia	2	50	Daphnia lg.		
Hexarthra	6	150	Daphnia sm.		
Keratella			Diaphanosoma	1	25
Lecane			Macrothrix		
Platyias			Moina	10	250
Polyarthra	8	200	Others small	1	25
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others +	1	25			
Sub-total:	158	3950	Sub-total:	65	1625
			Total:	225	5575

Notes.

+ lg ~ 500um spherical mass

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DUA

Site: MSo (TBx) MSt MTw Sampling station: Pool 13

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	48	480	COPEPODA		
Brachionus	77	770	Nauplii	2	20
Cephalodella			Calanoid		
Collotheca			Cyclopoid	5	50
Colurella			CLADOCERA		
Conochilus	5	50	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	8	80	Daphnia lg.		
Hexarthra			Daphnia sm.	2	20
Keratella			Diaphanosoma		
Lecane	7	70	Macrothrix		
Platyias			Moina	6	60
Polyarthra	24	240	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others	2	20			
Sub-total:	171	1710	Sub-total:	15	150
Notes.			Total:	186	1860

ZOOPLANKTON COUNTS. Date counted: 26 / April / 91 Counted by: *DL*

Site: MSo TBx MSt MTw Sampling station: *TW 4*

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	20	500	COPEPODA		
Brachionus	79	1975	Nauplii	85	2125
Cephalodella			Ad.lg ant.	3	75
Collotheca			Ad.st ant.	29	725
Colurella			CLADOCERA		
Conochilus	24 <sup>+</sup>	600	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	17	425	Daphnia lg.		
Hexarthra	17	425	Daphnia sm.	6	150
Keratella			Diaphanosoma	5	125
Lecane	1	25	Macrothrix		
Platyias			Moina	22	550
Polyarthra	33	825	Others		
Rotaria	2	50	CHIRONOMIDAE	2	50
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<i>Volvox?</i>	1	25
Sub-total:	213	5325	Sub-total:	153	3825
Notes.			Total:	366	9150

+ + 1 colony

ZOOPLANKTON COUNTS. Date counted: 29 / April / 91 Counted by: D L

Site: MSo (TBx) MSt MTw Sampling station: TWR 5

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	26	650	COPEPODA		
Brachionus	72	1800	Nauplii	29	725
Cephalodella			Ad.lg ant.	4	100
Collotheca			Ad.st ant.	25	625
Colurella			CLADOCERA		
Conochilus	17	425	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	40	1000	Daphnia lg.		
Hexarthra	11	275	Daphnia sm.	1	25
Keratella			Diaphanosoma	5	125
Lecane			Macrothrix		
Platyias			Moina	45	1125
Polyarthra	34	850	Others	2	50
Rotaria	2	50	CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
Sub-total:	202	5050	Sub-total:	111	2775
Notes.			Total:	313	7825

ZOOPLANKTON COUNTS. Date counted: 29 / April / 91 Counted by: JH

Site: MSo (TBx) MSt MTw Sampling station: MF.1

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	150	COPEPODA		
Brachionus	567	14175	Nauplii	8	200
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	12	300	Daphnia lg.		
Hexarthra	10	250	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	1	25	Macrothrix		
Platyias			Moina	14	350
Polyarthra	13	325	Others		
Rotaria			CHIRONOMIDAE	1	25
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
Sub-total:	609	15225	Sub-total:	23	575
Notes.			Total:	632	15800



# ROTIFERA

Date	2	MSt
Asplanchna		*
Brachionus		*
Cephalodella		*
Collotheca		
Colurella		
Conochiloides		
Conochilus		
Euchlanis		
Filinia		*
Harringia		
Hexarthra		*
Keratella		
Lecane		*
Platyias		
Polyarthra		*
Rotaria		*
Squatinella		*
Synchaeta		*
Trichocerca		*

\* = present





ZOOPLANKTON COUNTS. Date counted: 29 / April / 91 Counted by: DJL

Site: MSo TBx MSt MTw Sampling station: Near 1

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	26	1300	COPEPODA <i>Copepodites</i>	1	50
Brachionus	112	5600	Nauplii	8	400
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	199	9950	Daphnia lg.		
Hexarthra	145	7700	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	2	100	Macrothrix		
Platyias			Moina	2	100
Polyarthra	44	2200	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta	2	100	NEMATODES		
Trichocerca	1	50	ALGAE		
Others					
Squatinella	1	50			
Sub-total:	532	26600	Sub-total:	11	550
Notes.			Total:	543	27150

27150 DM

ZOOPLANKTON COUNTS. Date counted: 29 / April / 91 Counted by: *du*Site: MSo TBx *(MSt)* MTW Sampling station: *BSV 2*

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 *(50)* 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	16	800	COPEPODA		
Brachionus	123	6150	Nauplii	19	900
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	1	50
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	84	4200	Daphnia lg.		
Hexarthra	100	5000	Daphnia sm.		
Keratella			Diaphanosoma	2	100
Lecane	4	200	Macrothrix		
Platyias			Moina	13	650
Polyarthra	35	1750	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca	2	100	ALGAE		
Others	1	50			
Sub-total:	365		Sub-total:	34	1700
Notes.			Total:	399	19950

ZOOPLANKTON COUNTS. Date counted: 29 / April / 91 Counted by: D M

Site: MSo TBx MSt MTw Sampling station: New 3

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	14	700	COPEPODA		
Brachionus	64	3200	Nauplii	7	350
Cephalodella			Ad.lg ant.	1	50
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	31	1550	Daphnia lg.		
Hexarthra	43	2150	Daphnia sm.		
Keratella			Diaphanosoma	1	50
Lecane			Macrothrix		
Platyias			Moina	32	1600
Polyarthra	14	700	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta	2	100	NEMATODES		
Trichocerca	1	50	ALGAE		
Others					
Sub-total:	167	8450	Sub-total:	41	2050
Notes.			Total:	210	10500

ZOOPLANKTON COUNTS. Date counted: 29 / April / 91 Counted by: DU

Site: MSo TBx MSt MTw Sampling station: Ros 4

Date sampled: 14 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	200	COPEPODA		
Brachionus	10	1000	Nauplii	4	400
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	5	500	Daphnia lg.		
Hexarthra	12	1200	Daphnia sm.	1	100
Keratella			Diaphanosoma	2	200
Lecane			Macrothrix		
Platyias			Moina	87	8700
Polyarthra	7	700	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others					
Sub-total:	36	3600	Sub-total:	94	9400
Notes.			Total:	130	1300

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DKL

Site: MSo TBx (MSt) MTw Sampling station: Pool 1

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	8	80	Nauplii	18	180
Cephalodella	5	50	Calanoid		
Collotheca			Cyclopoid	4	40
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	11	110	Daphnia lg.		
Hexarthra	5	50	Daphnia sm.		
Keratella			Diaphanosoma	1	10
Lecane	5	50	Macrothrix		
Platyias			Moina	8	80
Polyarthra	4	40	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca	5	50			
Others					
Sub-total:	43	430	Sub-total:	31	310
Notes.			Total:	74	740

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DK

Site: MSo TBx (MSt) MTw Sampling station: Pool 3

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	68	170	Nauplii	33	825
Cephalodella			Calanoid		
Collotheca			Cyclopoid	30	750
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	17	425	Daphnia lg.		
Hexarthra	16	400	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	2	50	Macrothrix		
Platyias			Moina	8	200
Polyarthra	3	75	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca	1	25			
Others					
Sub-total:	107	2675	Sub-total:	71	1775
Notes.			Total:	178	4450

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DU

Site: MSo TBx (MSt) MTw Sampling station: Pool 4

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	7	350	COPEPODA		
Brachionus	51	2550	Nauplii		
Cephalodella			Calanoid		
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	122	6100	Daphnia lg.		
Hexarthra	2	100	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	9	450	Macrothrix		
Platytias			Moina		
Polyarthra	18	900	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	209	10450	Sub-total:	—	—
Notes.			Total:	209	10450

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DV

Site: MSo TBx (MSt) MTw Sampling station: Pool 5

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	25	COPEPODA		
Brachionus	26	650	Nauplii	11	275
Cephalodella			Calanoid		
Collotheca			Cyclopoid	1	25
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	188	4700	Daphnia lg.		
Hexarthra	5	125	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	11	275	Macrothrix		
Platyias			Moina		
Polyarthra	17	425	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	248	6200	Sub-total:	12	300
Notes.			Total:	260	6500



ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DU

Site: MSo TBx (MSt) MTw Sampling station: Pool 10

Date sampled: 15 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	47	1175	Nauplii	1	25
Cephalodella	1	25	Calanoid		
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	37	925	Daphnia lg.		
Hexarthra	8	200	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	9	225	Macrothrix		
Platytias			Moina		
Polyarthra	1	25	Others		
Rotaria	29	725	CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	180	4500	Sub-total:	1	25
Notes.			Total:	181	4525

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: *du*

Site: MSo TBx (MSt) MTw Sampling station: Pool 12

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 (100) ml

Volume of sub-sample: 1 ml. % of sample /%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	300	COPEPODA		
Brachionus	74	7400	Nauplii		
Cephalodella			Calanoid		
Collotheca			Cyclopoid		
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	52	5200	Daphnia lg.		
Hexarthra	74	7400	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias	1	100	Moina		
Polyarthra	5	500	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	209	20900	Sub-total:	-	-
Notes.			Total:	209	20900

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: *DL*

Site: MSo TBx (MSt) MTw Sampling station: *Pool 15*

Date sampled: *15* / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample *2*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	8	400	COPEPODA		
Brachionus	23	1150	Nauplii	6	300
Cephalodella			Calanoid		
Collotheca			Cyclopoid	1	50
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	34	1700	Daphnia lg.		
Hexarthra	27	1350	Daphnia sm.		
Keratella			Diaphanosoma	3	150
Lecane	6	300	Macrothrix		
Platyias			Moina	4	200
Polyarthra	13	650	Others		
Rotaria	1	50	CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca	5	250			
Others					
Sub-total:	117	5850	Sub-total:	14	700
Notes.			Total:	131	6550

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DM

Site: MSo TBx (MSt) MTw Sampling station: Pool 17

Date sampled: 15 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	18	180	COPEPODA		
Brachionus	19	190	Nauplii	16	160
Cephalodella	1	10	Calanoid	1	10
Collotheca			Cyclopoid	2	20
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	36	360	Daphnia lg.		
Hexarthra	80	800	Daphnia sm.		
Keratella			Diaphanosoma	2	20
Lecane	3	30	Macrothrix		
Platytias			Moina	8	80
Polyarthra	10	100	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca	7	70			
Others					
Sub-total:	174	1740	Sub-total:	29	290
Notes.			Total:	203	2030

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DK

Site: MSo TBx (MSt) MTw Sampling station: Pool 23

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	150	COPEPODA		
Brachionus	124	6200	Nauplii	1	50
Cephalodella			Calanoid		
Collotheca			Cyclopoid	3	150
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	35	1750	Daphnia lg.		
Hexarthra	115	5750	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	3	150	Macrothrix		
Platytas			Moina		
Polyarthra	14	700	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca	7	350			
Others	DK				
Sub-total:	301	15050	Sub-total:	4	200
			Total:	305	15250

Notes.

Some clumping of rotifers.



# ROTIFERA

Date 2	MTw
Asplanchna	*
Brachionus	*
Cephalodella	
Collotheca	
Colurella	
Conochiloides	
Conochilus	*
Euchlanis	
Filinia	*
Harringia	*
Hexarthra	*
Keratella	*
Lecane	*
Platyias	
Polyarthra	*
Rotaria	*
Squatinella	
Synchaeta	
Trichocerca	

\* = present





ZOOPLANKTON COUNTS: Date counted: 29 / April / 91 Counted by: DM

Site: MSo TBx MSt (MTw) Sampling station: Res 1

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	11	275	Nauplii	46	1150
Cephalodella			Ad.lg ant.	45	1125
Collotheca			Ad.st ant.	27	675
Colurella			CLADOCERA		
Conochilus	4	100	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	4	100	Daphnia lg.		
Hexarthra	10	250	Daphnia sm.	6	150
Keratella			Diaphanosoma	2	50
Lecane			Macrothrix		
Platyias			Moina	20	500
Polyarthra	2	50	Others, small	1	25
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox	3	75
Sub-total:	31	775	Sub-total:	150	3750
Notes.			Total:	181	4825

ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: *DL*Site: MSo TBx MSt MTw Sampling station: *Res 2*

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	5	500	Nauplii	37	3700
Cephalodella			Ad.lg ant.	69	6900
Collotheca	10	1000	Ad.st ant.	11	1100
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia			Daphnia lg.	2	200
Hexarthra	8	800	Daphnia sm.	2	200
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	18	1800
Polyarthra			Others	1	100
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others <sup>1</sup>	1	100	<i>Volvox</i>	5	500
Sub-total:	24	2400	Sub-total:	145	14500
			Total:	169	16900

Notes.



ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: DUL

Site: MSo TBx MSt (MTw) Sampling station: B<sub>3</sub>/3

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	2	100	Nauplii	76	3800
Cephalodella			Ad.lg ant.	84	4200
Collotheca	3	150	Ad.st ant.	12	600
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	10	500	Daphnia lg.	2	100
Hexarthra	8	400	Daphnia sm.	10	500
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	19	950
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox	5	250
Sub-total:	23	1150	Sub-total:	208	10400
Notes.			Total:	231	11550

ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: DV

Site: MSo TBx MSt (MTw) Sampling station: R<sub>2</sub> 4

Date sampled: 14 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	12	600	Nauplii	109	5450
Cephalodella			Ad.lg ant.	50	2500
Collotheca	6	300	Ad.st ant.	7	350
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	4	200	Daphnia lg.	7	350
Hexarthra	4	200	Daphnia sm.	16	800
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	27	1350
Polyarthra	1	50	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox	2	100
Sub-total:	27	1350	Sub-total:	218	10900
Notes.			Total:	245	12250

ZOOPLANKTON COUNTS. Date counted: 3 / JULY / 91 Counted by: DVL

Site: MSo TBx MSt (MTw) Sampling station: Pool 31

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml.

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	25	COPEPODA		
Brachionus	48	1200	Nauplii	84	2100
Cephalodella			Calanoid	2	50
Collotheca			Cyclopoid	31	775
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	3	75	Daphnia lg.		
Hexarthra	3	75	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	5	125	Macrothrix		
Platytias			Moina	12	300
Polyarthra	6	150	Others small	2	50
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	66	166	Sub-total:	131	3275
Notes.			Total:	197	4925

ZOOPLANKTON COUNTS. Date counted: 3 / JULY / 91 Counted by: DL

Site: MSo TBx MSt (MTw) Sampling station: Pool 32

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	10	250	COPEPODA		
Brachionus	30	750	Nauplii	67	1675
Cephalodella			Calanoid	11	275
Collotheca			Cyclopoid	202	5050
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	5	125	Daphnia lg.		
Hexarthra	10	250	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	17	475	Macrothrix		
Platytias			Moina	2	50
Polyarthra	1	25	Others		
Rotaria			CHIRONOMIDAE	1	25
Synchaeta			ALGAE		
Trichocerca					
Others					
Harringia	1	25			
Sub-total:	76	1900	Sub-total:	283	7075
Notes.			Total:	359	8975

ZOOPLANKTON COUNTS. Date counted: 2 / JULY / 91 Counted by: DLU

Site: MSo TBx MSt (MTw) Sampling station: Pool 34

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 (50) 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	200	COPEPODA		
Brachionus	76	3800	Nauplii	147	7350
Cephalodella			Calanoid	2	100
Collotheca			Cyclopoid	34	1700
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	4	200	Daphnia lg.		
Hexarthra	66	3300	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	7	350
Polyarthra	4	200	Others		
Rotaria	2	100	CHIRONOMIDAE	1	50
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	156	7800	Sub-total:	191	9550
Notes.			Total:	347	17350

ZOOPLANKTON COUNTS. Date counted: 3 / JULY / 91 Counted by: JVL

Site: MSo TBx MSt (MTw) Sampling station: Pool 35

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	50	COPEPODA		
Brachionus	101	2525	Nauplii	33	825
Cephalodella			Calanoid		
Collotheca			Cyclopoid	15	375
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	7	175	Daphnia lg.		
Hexarthra	3	75	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	26	650	Macrothrix		
Platyias			Moina	60	1500
Polyarthra	1	25	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	140	3500	Sub-total:	108	2700
Notes.			Total:	248	6200



ZOOPLANKTON COUNTS. Date counted: 3 / JULY / 91 Counted by: DU

Site: MSo TBx MSt (MTw) Sampling station: pool 36

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	21	525	Nauplii	63	1575
Cephalodella			Calanoid	69	1725
Collotheca			Cyclopoid	18	450
Colurella			CLADOCERA		
Conochilus	2	50	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	3	75	Daphnia lg.	42	1050
Hexarthra	4	100	Daphnia sm.	12	300
Keratella			Diaphanosoma		
Lecane	2	50	Macrothrix		
Platyias			Moina	17	425
Polyarthra			Others <sub>small</sub>	23	575
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	32	800	Sub-total:	244	6100
Notes.			Total:	276	6900



170mm

ZOOPLANKTON COUNTS. Date counted: 3 / JULY / 91 Counted by: DL

Site: MSo TBx MSt (MTw) Sampling station: Pool 43

Date sampled: 15 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 (25) 50 100 ml

Volume of sub-sample: 1 ml. % of sample 4

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	25	COPEPODA		
Brachionus	4	100	Nauplii	70	1750
Cephalodella			Calanoid	63	1575
Collotheca			Cyclopoid	12	300
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	2	50	Daphnia lg.		
Hexarthra	21	525	Daphnia sm.	1	25
Keratella	3	75	Diaphanosoma		
Lecane	2	50	Macrothrix		
Platyias			Moina	14	350
Polyarthra			Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			ALGAE		
Trichocerca					
Others					
Sub-total:	33	825	Sub-total:	160	4000
Notes.			Total:	193	4825

ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: DL

Site: MSo TBx MSt MTw Sampling station: TWA 8

Date sampled: 15 / Feb / 91 Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 1%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	35	3500	Nauplii	4	400
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	84	8400
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	1	100	Daphnia lg.		
Hexarthra			Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platytias			Moina ?	1	100
Polyarthra			Others	1	100
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox	4	400
Harringia ?	2	200			
Sub-total:	38	3800	Sub-total:	94	9400
Notes.			Total:	132	13200

ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: *DL*Site: MSo TBx MSt *(MTw)* Sampling station: *TWR 10*

Date sampled: 15 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: 10 20 25 *(50)* 100 ml

Volume of sub-sample: 1 ml. % of sample 2%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna			COPEPODA		
Brachionus	74	3700	Nauplii	20	1000
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	11	550
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	2	100	Daphnia lg.		
Hexarthra	1	50	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	174	8700
Polyarthra	1	50	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Small volvox colonies	255	12750
Sub-total:	78	3900	Sub-total:	460	23000
Notes.			Total:	538	26900

# ROTIFERA

Date 2 MCK / CCK

Asplanchna	*
Brachionus	*
Cephalodella	*
Collotheca	*
Colurella	
Conochiloides	
Conochilus	*
Euchlanis	
Filinia	*
Harringia	
Hexarthra	*
Keratella	
Lecane	*
Platyias	
Polyarthra	*
Rotaria	*
Squatinella	
Synchaeta	
Trichocerca	*

\* = present



ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: *DL*Site: MSo TBx MSt MTw Sampling station: *MCK.A*

Date sampled: 17 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	44	440	COPEPODA		
Brachionus	65	650	Nauplii	11	110
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	28	280
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	127	1270	Daphnia lg.		
Hexarthra	29	290	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	35	350
Polyarthra	57	570	Others		
Rotaria	10	10	CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE Volvox colonies	26	260
Others					
Sub-total:	323	3230	Sub-total:	100	1000
Notes.			Total:	423	4230

*Many clumps of zooplankton - made counting difficult*

ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: *DU*

Site: MSo TBx MSt MTw

Sampling station: *MCK 1*

Date sampled: 17 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: *(10)* 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	<i>12</i>	<i>120</i>	COPEPODA		
Brachionus	<i>50</i>	<i>500</i>	Nauplii	<i>9</i>	<i>90</i>
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	<i>9</i>	<i>90</i>
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	<i>124</i>	<i>1240</i>	Daphnia lg.		
Hexarthra	<i>46</i>	<i>460</i>	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	<i>1</i>	<i>10</i>	Macrothrix		
Platyias			Moina	<i>4</i>	<i>40</i>
Polyarthra	<i>74</i>	<i>740</i>	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<i>Small volvox colonies</i>	<i>18</i>	<i>180</i>
Sub-total:	<i>307</i>	<i>3070</i>	Sub-total:	<i>40</i>	<i>400</i>
Notes.			Total:	<i>347</i>	<i>3470</i>



ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: DUSite: MSo TBx MSt MTw Sampling station: CK1

Date sampled: 17 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	2	20	COPEPODA <i>copepodite</i>	1	10
Brachionus	48	480	Nauplii	10	100
Cephalodella	1	10	Ad. lg ant.		
Collotheca?	19	190	Ad. st ant.	1	10
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	5	50	Daphnia lg.		
Hexarthra	3	30	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	25	250	Others		
Rotaria			CHIRONOMIDAE	1	10
Synchaeta			NEMATODES	1	10
Trichocerca			ALGAE	Small strands	
Others			<i>Microstena</i>	1	10
			<i>other</i> ①	1	10
Sub-total:	103	1030	Sub-total:	16	160
			Total:	119	1190

Notes.



ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: DU

Site: MSo TBx MSt MTw Sampling station: CCK 2

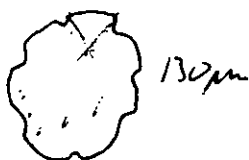
Date sampled: 17 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	3	30	COPEPODA		
Brachionus	53	530	Nauplii	4	40
Cephalodella			Ad.lg ant.		
Collotheca	8	80	Ad.st ant.	5	50
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	9	90	Daphnia lg.		
Hexarthra	4	40	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina		
Polyarthra	28	280	Others		
Rotaria			CHIRONOMIDAE	1	10
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others *	1	10	Volvox colonies small	15	150
			Microstania	1	10
Sub-total:	106	1060	Sub-total:	26	260
Notes.			Total:	132	1320



ZOOPLANKTON COUNTS. Date counted: 30/ April / 91 Counted by: DLSite: MSo TBx MSt MTw Sampling station: Cek 3

Date sampled: 17 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	6	60	COPEPODA		
Brachionus	102	1020	Nauplii	5	50
Cephalodella			Ad.lg ant.		
Collotheca?	16	160	Ad.st ant.	6	60
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	24	240	Daphnia lg.		
Hexarthra	10	100	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	2	20	Macrothrix		
Platyias			Moina	12	120
Polyarthra	54	540	Others		
Rotaria			CHIRONOMIDAE	1	10
Synchaeta			NEMATODES		
Trichocerca			ALGAE Volvox colonies (small)	31	310
Others	2	20			
Sub-total:	216	2160	Sub-total:	55	550
Notes.			Total:	271	2710

ZOOPLANKTON COUNTS. Date counted: 30 / April / 91 Counted by: *DL*

Site: MSo TBx MSt MTw Sampling station: *CCK.4*

Date sampled: 17 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 ml

Volume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	4	40	COPEPODA		
Brachionus	136	1360	Nauplii	5	50
Cephalodella			Ad.lg ant.	<i>2 DL</i>	<i>30 DL</i>
Collotheca	18	180	Ad.st ant.	3	30
Colurella			CLADOCERA		
Conochilus			Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	22	220	Daphnia lg.		
Hexarthra	15	150	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	2	20	Macrothrix		
Platyias			Moina	1	10
Polyarthra	77	770	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca	1	10	ALGAE		
Others	4	40	<i>Volvox</i>	59	590
Sub-total:	279	2790	Sub-total:	68	680
Notes.			Total:	347	3470

ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: *DL*Site: MSo TBx MSt MTw Sampling station: *CCK 6*

Date sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: *(10)* 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample *10%*

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	7	70	COPEPODA		
Brachionus	76	760	Nauplii	7	70
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	9	90
Colurella			CLADOCERA		
Conochilus	1	10	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	6	60	Daphnia lg.	1	10
Hexarthra	4	40	Daphnia sm.	1	10
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	8	80
Polyarthra	15	150	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<i>Volvox colonies incl</i>	118	1180
Sub-total:	109	1090	Sub-total:	144	1440
Notes.			Total:	253	2530

ZOOPLANKTON COUNTS. Date counted: 1 / May / 91 Counted by: DLSite: MSo TBx MSt MTw Sampling station: CCK 7Date sampled: 13 / Feb / 91 Sieve size: 63umVolume of concentrated preserved sample: (10) 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	1	10	COPEPODA		
Brachionus	26	260	Nauplii	6	60
Cephalodella			Ad.lg ant.		
Collotheca			Ad.st ant.	6	60
Colurella			CLADOCERA		
Conochilus	10	100	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	2	20	Daphnia lg.		
Hexarthra	2	20	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane	1	10	Macrothrix		
Platytas			Moina	3	30
Polyarthra	7	70	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			<u>Volvox</u>	3	30
Sub-total:	49	490	Sub-total:	19	180
Notes.			Total:	67	670

ZOOPLANKTON COUNTS. Date counted: | / May / 91 Counted by: DMSite: MSo TBx MSt MTw Sampling station: CeK DDate sampled: 13 / Feb / 91

Sieve size: 63um

Volume of concentrated preserved sample: (10) 20 25 50 100 mlVolume of sub-sample: 1 ml. % of sample 10%

ROTIFERA			OTHER TAXA		
	sub-sample count	Total in sample		sub-sample count	Total in sample
Asplanchna	9	90	COPEPODA		
Brachionus	107	1070	Nauplii	16	160
Cephalodella			Ad.lg ant.	2	20
Collotheca	3	30	Ad.st ant.	16	160
Colurella			CLADOCERA		
Conochilus	25	250	Alona		
Epiphanes			Bosmina		
Euchlanis			Ceriodaphnia		
Filinia	18	180	Daphnia lg.		
Hexarthra	2	20	Daphnia sm.		
Keratella			Diaphanosoma		
Lecane			Macrothrix		
Platyias			Moina	12	120
Polyarthra	21	210	Others		
Rotaria			CHIRONOMIDAE		
Synchaeta			NEMATODES		
Trichocerca			ALGAE		
Others			Volvox (small)	80	800
Sub-total:	185	1850	Sub-total:	126	1260
Notes.			Total:	311	3110

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